

Safety Data Sheet



according to Safe Work Australia document

"Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011"

	"Preparation of Saf	ety Data Sheets for Hazardous Chemic	cals Code of Practice December 201	1"
				Issued Date : 19th Jul. 2013
				Revised Date: 7th Jan. 2019
SECTION 1:	Identification ; C	hemical product an	nd company identi	fication
1.1. Product	identifier			Artline525T WHITEBOARD MARKER 201
Product Na	ame : Artline WHIT	EBOARD MARKER	Colour : (Black)	
	Artline 52	5T, 525TT, 541T		Artline 525TT WHITERUARD ART
1.2. Relevant	identified uses of t	he substance or mixtur	e and uses advised a	gainst
Recommer	nded use : Whiteb	oard marker ink		
1.3. Details o	f the supplier of the	safety data sheet		
Supplier	Company Name	: ACCO Brands Austra	alia Pty Ltd	
	Address	2 Coronation Avenue	-	
	Phone	: 02 9694 0900 (9am	to 5pm AEST, Monday	to Friday)
	Contact (e-mail)	sds.anz@acco.com		WHETEBUARD ANALAKER (2)
	Website	www.accobrands.com.	<u>.au</u>	WINTERCARD MARKER
Manufactu	rer Company Name	Shachihata Inc.		
	Address Phone	 ∶ 4-69,Amazuka-cho,N ∶ +81-52-521-3600 	NISHI-KU,NAGOYA City,45	51-0021, Japan
	Filone	: +81-52-521-3899		NINTERN 2011
	Contact (e-mail)	: chem-analysis@ngy.sh	nachihata.co.ip	Westerner Constanting of the Second Sec
1.4. Emergen	icy telephone numb			
•	ons Information Centr			board Marker
SECTION 2:	Hazards identific	cation		
Classified as	•	to the criteria of Safe Work	· ·	NOHSC), r Transport by Road and Rail.
2.1. Classific	ation of the substar	nce or mixture		
2.1.1. Classific				
	liquids, Category 2		• •	nmable liquid and vapour
Eye irritatio	on, Category 2A		H319 : Causes se	erious eye irritation

Specific target organ toxicity ; single exposure, Category 3 H336 : May cause drowsiness or dizziness (narcotic effects)

2.2. Label elements

Labelling (SWA) Symbols



Signal word	: Danger
Hazard statement	: Highly flammable liquid and vapour
	Causes serious eye irritation
	May cause drowsiness or dizziness

(H225)
(H319)

(H336)

(P102)

(P210)

Precautionary statement
[Prevention]
Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

[(AU) SWA][Shachihata Inc.] [Artline525T_black_e] 2/6	
Take precautionary measures against static discharge.	(P243)
Avoid breathing vapours.	(P261)
Use only outdoors or in a well-ventilated area.	(P271)
Wear eye protection.	(P280)
[Response]	
In case of fire : Use dry chemical powder, foam or carbon dioxide to extinguish.	(P370+P378)
IF INHALED : Remove person to fresh air and keep comfortable for breathing.	(P304+P340)
IF IN EYES : Rinse cautiously with water for several minutes.	(P305+P351+P338)
Remove contact lenses, if present and easy to do. Continue rinsing.	
If eye irritation persists : Get medical advice and attention.	(P337+P313)
Immediately call a POISON CENTER or physician.	(P310)
IF ON SKIN (or hair) : Take off immediately all contaminated clothing. Rinse skin with water.	(P303+P361+P353)
If skin irritation occurs : Get medical advice and attention.	(P332+P313)
[Storage]	
Store in a well-ventilated place. Keep container tightly closed.	(P403+P233)
[Disposal]	
Dispose of contents and container in accordance with local regulations.	(P501)
3 Other hazards	

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethyl alcohol	45 ~ 55	64-17-5	Flam. Liq. 2	H225
Propan-2-ol	25 ~ 35	67-63-0	Flam. Liq. 2 Eye Irrit. 2A STOT. SE. 3	H225 H319 H336
Synthetic resin	1 ~ 5	Confidential	none	none
Carbon black	1 ~ 10	1333-86-4	none	none
Additive	10 ~ 15	Confidential	none	none
total	100			

SECTION 4: First-aid measures

4.1. Description of first aid measures

IF INHALED	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.
IF ON SKIN	Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

SECTION 5: Firefighting-measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical powder, foam or carbon dioxide
Unsuitable extinguishing media	: Water jet

5.2. Special hazards arising from the substance or mixture

For initial stage extinction, carbon dioxide or dry chemical powder. When a fire extends, fire is extinguished by a large amount of water spray. Do not discharge extinguishing waters into the aquatic environment. [(AU) SWA][Shachihata Inc.] [Artline525T_black_e] 3/6

5.3. Advice for firefighters

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe area. Shut off all sources of ignition.

No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Do not throw the leakage thing directly into environment

6.3. Methods and material for containment and cleaning up

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.), and then wipe off the waste well with waste cloth, and rag.

In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.)

and collect into empty container by scoop, suction equipment or the like.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	: Use with adequate ventilation.
	Avoid contact with skin, eyes and clothing.
	Obtain special instructions before use.
	Do not handle until all safety precautions have been read and understood.
	Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage	: Keep containers tightly closed and store in a cool and dry place.
areas and containers	Keep away from heat and flame, ignition source and sunlight.
	Keep out of the reach of children.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

Australian exposure standards(2018)			
Ethyl alcohol	TWA	1000ppm	
Propan-2-ol	TWA	400ppm	
Carbon black	TWA	3 mg/m ³	

EH40/2005 Workplace exposure limits

Ethyl alcohol	TWA	1000ppm
Propan-2-ol	TWA	400ppm
Carbon black	TWA	3.5 mg/m ³
ACGIH (2018)		
Ethyl alcohol	STEL	1000ppm
Propan-2-ol	TWA	200ppm
Carbon black	TWA	3 mg/m ³

8.2. Exposure controls

Personal protective equipm	lent
Respiratory Protection	: Use with local exhaust ventilation, when in long use.
	Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.
Hand Protection	: Avoid contact with hands. Wear safety gloves, if necessary.
Eye Protection	: Avoid contact with eyes. Wear safety glasses, if necessary.
Skin Protection	: Avoid skin contact. Wear personal protection apron, boots, if necessary.
– · · · ·	

Environmental exposure controls

General advice

: Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: black liquid
Odour	: minor solvent odour
рН	: Not applicable
Boiling point	: 78 ~ 97°C
Flash point	: 13°C (closed cup)
Relative Density (at 25°C)	$: 0.8 \sim 0.9 \text{ (g/cm}^3\text{)}$
Solubility in Water	: Insoluble

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Thermally stable at typical use temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

10.5. Incompatible Materials

No data available

10.6. Hazardous decomposition products

 CO, CO_2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: LD/LC50 values th [Ethyl alcohol]	nat are releva	ant for classification
	Oral-rat	LD50	>5,000 mg/kg
	Inhalation-rat	LC50	>20 mg/L/4h
	[Propan-2-ol]		
	Oral-rat	LD50	>5,000 mg/kg
	Dermal-rabbit	LD50	>5,000 mg/kg
	Inhalation-rat	LC50	>20 mg/L/4h
Eye irritation	: Category 2A C	Causes seriou	us eye irritation
Specific target organ toxicity (single exposure)	: Category 3 M	lay cause dro	owsiness or dizziness
Carcinogenicity	Other materials ; I	Not contain a	ed by the IARC as Group 2B. ny component that is considered ACGIH, EPA, EU or NTP.

Regarding the carcinogenicity of carbon black, International Agency for Research on Cancer (IARC) has classified as a group 2B. However, ACGIH (American Conference of Governmental Industrial Hygienists), EPA (Environmental Protection Agency), EU (European Chemicals Agency), NTP (National Toxicology Program, USA) in the classification of suspected carcinogenic to humans has not been done. Therefore, as the ink product we could not classify the carcinogenicity of GHS from that there is no sufficient data.

SECTION 12: Ecological information		
12.1. Toxicity	: No data available	
12.2. Persistence and degradability	: No data available	
12.3. Bioaccumulative potential	: No data available	
12.4. Mobility in soil	: No data available	
12.5. Results of PBT and vPvB assessment	: No data available	
12.6. Other adverse effects	: No data available	

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal must be made according to official regulations.

Comply with all Federal, State, and Local regulations regarding disposal.

Do not allow product to reach ground, any water course or sewage system.

SECTION 14: Transport information Determination of whether a Dangerous Good based on ADG Code criteria. UN Numbers listed as "UN" followed by 4 digits. Dangerous Good Classes and Labels for all Dangerous Goods. Special Provisions listed. Road – ADG – Australian Dangerous Goods Code (Road and Rail) Air – IATA – International Air Transport Association Sea – IMDG – International Maritime Dangerous Goods 14.1. UN number ADG, IMDG, IATA : UN1210 14.2. UN proper shipping name ADG, IMDG, IATA : PRINTING INK, flammable 14.3. Transport hazard class(es) ADG, IMDG, IATA Class 3 (Flammable liquids) Label 3 14.4. Packing group : ∏ ADG, IMDG, IATA 14.5. Environmental hazards Marine pollutant : No 14.6. Special precautions for user EMS Number : F-E,S-D 14.7. HAZCHEM Code : 3YE (ADG7) ☆☆ Artline WHITEBOARD MARKER (Artline 525T,525TT,541T) is not a hazardous material by the special provision. /=-. 40.

Artline WHITEBOARD MARKER (Artline 525T,525TT,541T) (The amount of ink : less than 10ml)
UN number : UN3175
UN proper shipping name : Solids containing Flammable Liquid. n.o.s.
IATA Special Provision A46
IMDG Code Special Provision 216
According to IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in
Packing Group I or II absorbed onto a solid material are not subject to as a hazardous

SECTION 15: Regulatory information

This product does not contain any hazardous chemical that has been determined by Montreal Protocol (Ozone depleting substances), The Stockholm Convention (Persistent Organic Pollutants), and The Rotterdam Convention (Prior Informed Consent).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

material/dangerous goods provided there is no free liquid in the packet or article.

SECTION 16: Other information

References	
Model Code of Practice	Preparation of Safety Data Sheets for Hazardous Chemicals
	Labelling of Workplace Hazardous Chemicals
	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition
	[NOHSC: 2011 (2003)]
GHS	Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Safe Work Australia HSIS	http://hsis.safeworkaustralia.gov.au/HazardousSubstance
WES	Workplace Exposure Standards for Airborne Contaminants (2018)
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th edition,
	National Transport Commission. (ADG7)



This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

EU RoHS Directive(2011/65/EC) ELV Directive(2000/53/EC)



Safety Data Sheet



according to Safe Work Australia document

"Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011"

				Issued Date : 19th J Revised Date : 7th Ja	
ECTION 1: I	Identification ; C	hemical product ar	nd company identi	ification	
1 .1. Product i Product Na	me : Artline WHIT	EBOARD MARKER 5T, 525TT, 541T	Colour : (Blue)	Artifice 3237	
1.2. Relevant Recommer		he substance or mixtur oard marker ink	e and uses advised a	against	
1.3. Details o	f the supplier of the	safety data sheet		Autocian	
Supplier	Company Name Address Phone Contact (e-mail) Website	 2 Coronation Avenue 02 9694 0900 (9am) 	e, Kings Park, 2148 NS to 5pm AEST, Monday		MARKER 2
Manufactur	rer Company Name Address Phone Fax Contact (e-mail)	: +81-52-521-3600 : +81-52-521-3899	Nishi-ku,Nagoya City,4		MARKER
1.4. Emergen	cy telephone numb	er	Ar	tline [®]	Artline 5
Poiso	ns Information Centre	e: 13 11 26	White	eboard Marker I TYPE Bold nib	WHITEB
	Hazards identific	ation			

and as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code for Transport by Road and Rail.

H225 : Highly flammable liquid and vapour

H318 : Causes serious eye damage

2.1. Classification of the substance or mixture

2.1.1. Classification (SWA)

- Flammable liquids, Category 2
- Serious eye damage, Category 1

Specific target organ toxicity ; single exposure, Category 3 H336 : May cause drowsiness or dizziness (narcotic effects)

2.2. Label elements

Labelling (SWA) Symbols

Signal word



Hazard statement	:Highly flammable liquid and vapour	(H225)
	Causes serious eye damage	(H318)
	May cause drowsiness or dizziness	(H336)

Precautionary statement		
[Prevention]		
Keep out of reach of children.		

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

[(AU) SWA][Shachihata Inc.] [Artline525T_blue_e] 2/6	
Take precautionary measures against static discharge.	(P243)
Avoid breathing vapours.	(P261)
Use only outdoors or in a well-ventilated area.	(P271)
Wear eye protection.	(P280)
[Response]	
In case of fire : Use dry chemical powder, foam or carbon dioxide to extinguish.	(P370+P378)
IF INHALED : Remove person to fresh air and keep comfortable for breathing.	(P304+P340)
IF IN EYES : Rinse cautiously with water for several minutes.	(P305+P351+P338)
Remove contact lenses, if present and easy to do. Continue rinsing.	
If eye irritation persists : Get medical advice and attention.	(P337+P313)
Immediately call a POISON CENTER or physician.	(P310)
IF ON SKIN (or hair) : Take off immediately all contaminated clothing. Rinse skin with water.	(P303+P361+P353)
If skin irritation occurs : Get medical advice and attention.	(P332+P313)
[Storage]	
Store in a well-ventilated place. Keep container tightly closed.	(P403+P233)
[Disposal]	
Dispose of contents and container in accordance with local regulations.	(P501)
2. Other hererde	

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethyl alcohol	25 ~ 35	64-17-5	Flam. Liq. 2	H225
Propan-2-ol	40 ~ 50	67-63-0	Flam. Liq. 2 Eye Irrit. 2A STOT. SE. 3	H225 H319 H336
Propan-1-ol	5 ~ 15	71-23-8	Flam. Liq. 2 Eye Dam. 1 STOT. SE. 3	H225 H318 H336
Synthetic resin	1 ~ 5	Confidential	none	none
Organic pigment	1 ~ 5	Confidential	none	none
Additive	5 ~ 15	Confidential	none	none
total	100			

SECTION 4: First-aid measures

4.1. Description of first aid measures

IF INHALED	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.
IF ON SKIN	 Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

SECTION 5: Firefighting-measures

5.1. Extinguishing media Suitable extinguishing media : Dry chemical powder, foam or carbon dioxide

Unsuitable extinguishing media : Water jet

[(AU) SWA][Shachihata Inc.] [Artline525T_blue_e] 3/6

5.2. Special hazards arising from the substance or mixture

For initial stage extinction, carbon dioxide or dry chemical powder. When a fire extends, fire is extinguished by a large amount of water spray. Do not discharge extinguishing waters into the aquatic environment.

5.3. Advice for firefighters

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe area. Shut off all sources of ignition.

No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Do not throw the leakage thing directly into environment

6.3. Methods and material for containment and cleaning up

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.), and then wipe off the waste well with waste cloth, and rag.

In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.)

and collect into empty container by scoop, suction equipment or the like.

SECTION 7: Handling and storage

	-
Advice on safe handling	: Use with adequate ventilation.
	Avoid contact with skin, eyes and clothing.
	Obtain special instructions before use.
	Do not handle until all safety precautions have been read and understood.
	Do not eat, drink or smoke when using this product.
2 Conditions for safe sto	rage including any incompatibilities

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage
areas and containers: Keep containers tightly closed and store in a cool and dry place.
Keep away from heat and flame, ignition source and sunlight.
Keep out of the reach of children.

100 ppm

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

Australian exposure :	standards(207	18)
Ethyl alcohol	TWA	1000ppm
Propan-2-ol	TWA	400ppm
Propan-1-ol	TWA	200ppm
EH40/2005 Workplac	ce exposure li	mits
Ethyl alcohol	TWA	1000ppm
Propan-2-ol	TWA	400ppm
Propan-1-ol	TWA	200ppm
ACGIH (2018)		
Ethyl alcohol	STEL	1000ppm
Propan-2-ol	TWA	200ppm

TWA

8.2. Exposure controls

Propan-1-ol

Personal protective equipment

Respiratory Protection	: Use with local exhaust ventilation, when in long use.
	Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.
Hand Protection	: Avoid contact with hands. Wear safety gloves, if necessary.
Eye Protection	: Avoid contact with eyes. Wear safety glasses, if necessary.
Skin Protection	: Avoid skin contact. Wear personal protection apron, boots, if necessary.

[(AU) SWA][Shachihata Inc.] [Artline525T_blue_e] 4/6

Environmental exposure controls

- General advice
- : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

>5,000 mg/kg

>20 mg/L/4h

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: blue liquid		
Odour	: minor solvent odour		
рН	: Not applicable		
Boiling point	: 78 ~ 97°C		
Flash point	: 13°C (closed cup)		
Relative Density (at 25°C)	(at 25°C) ∶ 0.8 ~ 0.9 (g/cm ³)		
Solubility in Water	: Insoluble		

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Thermally stable at typical use temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

10.5. Incompatible Materials

No data available

10.6. Hazardous decomposition products CO, CO_2

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity : LD/LC50 values that are relevant for classification [Ethyl alcohol] Oral-rat LD50 Inhalation-rat LC50 [Propan-2-ol]

	Oral-rat	LD50	>5,000 mg/kg
	Dermal-rabbit	LD50	>5,000 mg/kg
	Inhalation-rat	LC50	>20 mg/L/4h
	[Propan-1-ol]		
	Oral-rat	LD50	>2,000 mg/kg
	Dermal-rabbit	LD50	>2,000 mg/kg
	Inhalation-rat	LC50	>20 mg/L/4h
Serious eye damage	: Category 1 C	auses seriou	s eye damage
Specific target organ toxicity (single exposure)	Category 3 N	lay cause dro	owsiness or dizziness
Carcinogenicity	: This product does	not contain a	any component that is considered

a human carcinogen by IARC, ACGIH, EPA, EU or NTP.
SECTION 12: Ecological information

12.1. Toxicity	: No data available
12.2. Persistence and degradability	: No data available
12.3. Bioaccumulative potential	: No data available

- 12.4. Mobility in soil
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects

- No data availableNo data available
- : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal must be made according to official regulations.

Comply with all Federal, State, and Local regulations regarding disposal.

Do not allow product to reach ground, any water course or sewage system.

SECTION 14: Transport information

Determination of whether a Dangerous Good based on ADG Code criteria. UN Numbers listed as "UN" followed by 4 digits. Dangerous Good Classes and Labels for all Dangerous Goods. Special Provisions listed. Road – ADG – Australian Dangerous Goods Code (Road and Rail) Air – IATA – International Air Transport Association Sea – IMDG – International Maritime Dangerous Goods

	J			
14.1. UN number	ADG, IMDG, IATA	:	UN1210	
14.2. UN proper shipping name	ADG, IMDG, IATA	:	PRINTING INK, flammable	
14.3. Transport hazard class(es)	ADG, IMDG, IATA · Class · Label		3 (Flammable liquids) 3	
14.4. Packing group	ADG, IMDG, IATA	:	П	3
14.5. Environmental hazards	Marine pollutant	:	No	
14.6. Special precautions for user	EMS Number	:	F-E,S-D	
14.7. HAZCHEM Code		:	3YE (ADG7)	

☆☆

Artline WHITEBOARD MARKER (Artline 525T,525TT,541T) is not a hazardous material by the special provision.

Artline WHITEBOARD MARKE	ER (Artline 525T,525TT,541T)	(The amount of ink : less than 10ml)
UN number	: UN3175	
UN proper shipping name	: Solids containing Flammable	Liquid. n.o.s.
ΙΑΤΑ	Special Provision A46	
IMDG Code	Special Provision 216	
According to LATA Created	Dravisian A4C and MDC Cade	Createl Dravisian 04C, amall inner

According to IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to as a hazardous material/dangerous goods provided there is no free liquid in the packet or article.

SECTION 15: Regulatory information

This product does not contain any hazardous chemical that has been determined by Montreal Protocol (Ozone depleting substances), The Stockholm Convention (Persistent Organic Pollutants), and The Rotterdam Convention (Prior Informed Consent).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

References			
Model Code of Practice	Preparation of Safety Data Sheets for Hazardous Chemicals		
	Labelling of Workplace Hazardous Chemicals		
	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition		
	[NOHSC: 2011 (2003)]		
GHS	Globally Harmonised System of Classification and Labelling of Chemicals (GHS)		
Safe Work Australia HSIS	http://hsis.safeworkaustralia.gov.au/HazardousSubstance		
WES	Workplace Exposure Standards for Airborne Contaminants (2018)		
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th edition,		
	National Transport Commission. (ADG7)		



This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

EU RoHS Directive(2011/65/EC) ELV Directive(2000/53/EC)



Safety Data Sheet



(H225)

(H319)

(P102)

(P210)

(P243)

(P264)

according to Safe Work Australia document

"Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011"

					e : 19th Jul. 2013 e : 7th Jan. 2019
SECTION 1:	Identification ; C	hemical product an	d company identif	ication	
1.1. Product					WHITEBOARD MARKER
Product Na		EBOARD MARKER 5T, 525TT, 541T	Colour : (Brown)		Artline 52:57 WHITEBOARD MARKER 22
1.2. Relevant	identified uses of t	ne substance or mixture	e and uses advised ag	jainst _	
Recommer	nded use : Whiteb	oard marker ink			Artline 323TT WHITEBUARDIMABIKER
1.3. Details o	f the supplier of the	safety data sheet			
Supplier	Company Name Address Phone Contact (e-mail) Website	 ACCO Brands Austra 2 Coronation Avenue 02 9694 0900 (9am to sds.anz@acco.com www.accobrands.com.a 	, Kings Park, 2148 NSV o 5pm AEST, Monday t		
Manufactur	rer Company Name Address Phone Fax Contact (e-mail)	 Shachihata Inc. 4-69,Amazuka-cho,N +81-52-521-3600 +81-52-521-3899 chem-analysis@ngy.sha 		1-0021,Japan	
1.4. Emergen	cy telephone numb	er	Art	ine [®]	Fine nb
Poiso	ons Information Centre	e: 13 11 26		oard Marker YPE	WHITEBOA
	Hazards identific				
	stance, Dangerous Go	ods.			

Classified as hazardous according to the criteria of Safe Work Australia (SWA - formerly NOHSC), and as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code for Transport by Road and Rail.

2.1. Classification of the substance or mixture

2.1.1. Classification (SWA)

Flammable liquids, Category 2 Eye irritation, Category 2A

- H225 : Highly flammable liquid and vapour
- H319 : Causes serious eye irritation

2.2. Label elements

Labelling (SWA) Symbols



Signal word

: Danger

Hazard statement

: Highly flammable liquid and vapour

Causes serious eye irritation

Precautionary statement

[Prevention]

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

Wash hands thoroughly after handling.

[(AU) SWA][Shachihata Inc.] [Artline525T_brown_e] 2/6

-		
	Use only outdoors or in a well-ventilated area.	(P271)
	Wear eye protection.	(P280)
	[Response]	
	In case of fire : Use dry chemical powder, foam or carbon dioxide to extinguish.	(P370+P378)
	IF IN EYES : Rinse cautiously with water for several minutes.	(P305+P351+P338)
	Remove contact lenses, if present and easy to do. Continue rinsing.	
	If eye irritation persists : Get medical advice and attention.	(P337+P313)
	Immediately call a POISON CENTER or physician.	(P310)
	IF ON SKIN (or hair) : Take off immediately all contaminated clothing. Rinse skin with water.	(P303+P361+P353)
	If skin irritation occurs : Get medical advice and attention.	(P332+P313)
	[Storage]	
	Store in a well-ventilated place. Keep container tightly closed.	(P403+P233)
	[Disposal]	
	Dispose of contents and container in accordance with local regulations.	(P501)
~ ~		

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethyl alcohol	60 ~ 70	64-17-5	Flam. Liq. 2	H225
Propan-2-ol	10 ~ 20	67-63-0	Flam. Liq. 2 Eye Irrit. 2A STOT. SE. 3	H225 H319 H336
Propan-1-ol	1 ~ 5	71-23-8	Flam. Liq. 2 Eye Dam. 1 STOT. SE. 3	H225 H318 H336
Synthetic resin	1 ~ 5	Confidential	none	none
Organic pigment	1 ~ 5	Confidential	none	none
Additive	10 ~ 15	Confidential	none	none
total	100			

SECTION 4: First-aid measures

4.1. Description of first aid measures

IF INHALED	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.
IF ON SKIN	 Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

SECTION 5: Firefighting-measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical powder, foam or carbon dioxide	
Unsuitable extinguishing media	: Water jet	

5.2. Special hazards arising from the substance or mixture

For initial stage extinction, carbon dioxide or dry chemical powder. When a fire extends, fire is extinguished by a large amount of water spray. Do not discharge extinguishing waters into the aquatic environment. [(AU) SWA][Shachihata Inc.] [Artline525T_brown_e] 3/6

5.3. Advice for firefighters

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe area. Shut off all sources of ignition.

No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Do not throw the leakage thing directly into environment

6.3. Methods and material for containment and cleaning up

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.),

and then wipe off the waste well with waste cloth, and rag.

In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.)

and collect into empty container by scoop, suction equipment or the like.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	: Use with adequate ventilation.	
	Avoid contact with skin, eyes and clothing.	
	Obtain special instructions before use.	
	Do not handle until all safety precautions have been read and understood.	
	Do not eat, drink or smoke when using this product.	
7.2 Conditions for cofe storage, including any incompatibilities		

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage	: Keep containers tightly closed and store in a cool and dry place.
areas and containers	Keep away from heat and flame, ignition source and sunlight.
	Keep out of the reach of children.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

Australian exposure standards(2018)			
Ethyl alcohol	TWA	1000ppm	
Propan-2-ol	TWA	400ppm	
Propan-1-ol	TWA	200ppm	

Ethyl alcohol	TWA	1000ppm
Propan-2-ol	TWA	400ppm
Propan-1-ol	TWA	200ppm
ACGIH (2018)		
Ethyl alcohol	STEL	1000ppm
Propan-2-ol	TWA	200ppm
Propan-1-ol	TWA	100 ppm

8.2. Exposure controls

Personal protective equipment

Respiratory Protection	:	: Use with local exhaust ventilation, when in long use.	
		Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.	
Hand Protection	:	Avoid contact with hands. Wear safety gloves, if necessary.	
Eye Protection	:	Avoid contact with eyes. Wear safety glasses, if necessary.	
Skin Protection	:	Avoid skin contact. Wear personal protection apron, boots, if necessary.	

Environmental exposure controls

General advice	: Prevent product from entering drains.	

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: brown liquid	
Odour	: minor solvent odour	
рН	: Not applicable	
Boiling point	: 78 ~ 97°C	
Flash point	: 13°C (closed cup)	
Relative Density (at 25°C)	$0.8 \sim 0.9 \text{ (g/cm}^3\text{)}$	
Solubility in Water	: Insoluble	

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Thermally stable at typical use temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

10.5. Incompatible Materials

No data available

10.6. Hazardous decomposition products

 CO, CO_2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : LD/LC50 values that are relevant for classification

[Ethyl alcohol]		
Oral-rat	LD50	>5,000 mg/kg
Inhalation-rat	LC50	>20 mg/L/4h
[Propan-2-ol]		
Oral-rat	LD50	>5,000 mg/kg
Dermal-rabbit	LD50	>5,000 mg/kg
Inhalation-rat	LC50	>20 mg/L/4h
[Propan-1-ol]		
Oral-rat	LD50	>2,000 mg/kg
Dermal-rabbit	LD50	>2,000 mg/kg
Inhalation-rat	LC50	>20 mg/L/4h

Eye irritation : Category 2A Causes serious eye irritation

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, EPA, EU or NTP.

SECTION 12: Ecological information

12.1. Toxicity	: No data available
12.2. Persistence and degradability	: No data available
12.3. Bioaccumulative potential	: No data available
12.4. Mobility in soil	: No data available
12.5. Results of PBT and vPvB assessment	: No data available
12.6. Other adverse effects	: No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal must be made according to official regulations.

Comply with all Federal, State, and Local regulations regarding disposal.

Do not allow product to reach ground, any water course or sewage system.

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SECTION 14: Transport information

Determination of whether a Danger UN Numbers listed as "UN" followe Dangerous Good Classes and Labe Special Provisions listed. Road – ADG – Australian Dangerou Air – IATA – International Air Trans Sea – IMDG – International Maritim	ed by 4 digits. els for all Dangerous G us Goods Code (Road sport Association	Goods.	
14.1. UN number	ADG, IMDG, IATA	: UN1210	
14.2. UN proper shipping name	ADG, IMDG, IATA	: PRINTING INK, flammable	
14.3. Transport hazard class(es)	ADG, IMDG, IATA · Class · Labe	s 3 (Flammable liquids)	
14.4. Packing group	ADG, IMDG, IATA	: П	/
14.5. Environmental hazards	Marine pollutant	: No	
14.6. Special precautions for user	EMS Number	: F-E,S-D	
14.7. HAZCHEM Code		: 3YE (ADG7)	
A A			

☆☆

Artline WHITEBOARD MARKER (Artline 525T,525TT,541T) is not a hazardous material by the special provision.

Artline WHITEBOARD MARKE	R (Artline 525T,525TT,541T)	(The amount of ink : less than 10ml)	
UN number	: UN3175		
UN proper shipping name	: Solids containing Flammable	Liquid. n.o.s.	
ΙΑΤΑ	Special Provision A46		
IMDG Code	Special Provision 216		
According to IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in			
a .	bed onto a solid material are no	•	
material/dangerous goods p	rovided there is no free liquid in	the packet or article.	

SECTION 15: Regulatory information

This product does not contain any hazardous chemical that has been determined by Montreal Protocol (Ozone depleting substances), The Stockholm Convention (Persistent Organic Pollutants), and The Rotterdam Convention (Prior Informed Consent).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

References	
Model Code of Practice	Preparation of Safety Data Sheets for Hazardous Chemicals
	Labelling of Workplace Hazardous Chemicals
	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition
	[NOHSC: 2011 (2003)]
GHS	Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Safe Work Australia HSIS	http://hsis.safeworkaustralia.gov.au/HazardousSubstance
WES	Workplace Exposure Standards for Airborne Contaminants (2018)
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th edition,
	National Transport Commission. (ADG7)



This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

EU RoHS Directive(2011/65/EC) ELV Directive(2000/53/EC)



Safety Data Sheet



according to Safe Work Australia document

"Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011"

ECTION 1: I	Identification ; C	hemical product and o	company identifie	cation	
1.1. Product i Product Na	me : Artline WHIT	EBOARD MARKER 5T, 525TT, 541T	Colour : (Green)	Artime 320 T WHITEBOARD	MARKER
1.2. Relevant Recommer		ne substance or mixture a pard marker ink	nd uses advised aga		
Supplier	f the supplier of the Company Name Address Phone Contact (e-mail) Website rer Company Name Address Phone Fax	 safety data sheet ACCO Brands Australia 2 Coronation Avenue, K 02 9694 0900 (9am to 5 sds.anz@acco.com www.accobrands.com.au Shachihata Inc. 4-69,Amazuka-cho,Nish +81-52-521-3600 +81-52-521-3899 	ings Park, 2148 NSW pm AEST, Monday to	Friday)	
-	Contact (e-mail) cy telephone numbers ns Information Centre	er	Artlin	d Marker Bod nb	Ardia
ECTION 2:	Hazards identific	ation			

2.1. Classification of the substance or mixture

2.1.1. Classification (SWA)

- Flammable liquids, Category 2
- Serious eye damage, Category 1

Specific target organ toxicity ; single exposure, Category 3 (narcotic effects)

2.2. Label elements

Labelling (SWA) Symbols

Signal word



Hazard statement	: Highly flammable liquid and vapour	(H225)
	Causes serious eye damage	(H318)
	May cause drowsiness or dizziness	(H336)

Precautionary statement	
[Prevention]	
Keep out of reach of children.	(P102)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	(P210)

- H225 : Highly flammable liquid and vapour
- H318 : Causes serious eye damage
- H336 : May cause drowsiness or dizziness

[(AU) SWA][Shachihata Inc.] [Artline525T_green_e] 2/6	
Take precautionary measures against static discharge.	(P243)
Avoid breathing vapours.	(P261)
Use only outdoors or in a well-ventilated area.	(P271)
Wear eye protection.	(P280)
[Response]	
In case of fire : Use dry chemical powder, foam or carbon dioxide to extinguish.	(P370+P378)
IF INHALED : Remove person to fresh air and keep comfortable for breathing.	(P304+P340)
IF IN EYES : Rinse cautiously with water for several minutes.	(P305+P351+P338)
Remove contact lenses, if present and easy to do. Continue rinsing.	
If eye irritation persists : Get medical advice and attention.	(P337+P313)
Immediately call a POISON CENTER or physician.	(P310)
IF ON SKIN (or hair) : Take off immediately all contaminated clothing. Rinse skin with water.	(P303+P361+P353)
If skin irritation occurs : Get medical advice and attention.	(P332+P313)
[Storage]	
Store in a well-ventilated place. Keep container tightly closed.	(P403+P233)
[Disposal]	
Dispose of contents and container in accordance with local regulations.	(P501)
3 Other hazards	

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethyl alcohol	30 ~ 40	64-17-5	Flam. Liq. 2	H225
Propan-2-ol	35 ~ 45	67-63-0	Flam. Liq. 2 Eye Irrit. 2A STOT. SE. 3	H225 H319 H336
Propan-1-ol	5 ~ 15	71-23-8	Flam. Liq. 2 Eye Dam. 1 STOT. SE. 3	H225 H318 H336
Synthetic resin	1 ~ 5	Confidential	none	none
Organic pigment	1 ~ 5	Confidential	none	none
Additive	5 ~ 15	Confidential	none	none
total	100			

SECTION 4: First-aid measures

4.1. Description of first aid measures

IF INHALED	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.
IF ON SKIN	 Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

SECTION 5: Firefighting-measures

5.1. Extinguishing media Suitable extinguishing media : Dry chemical powder, foam or carbon dioxide

Unsuitable extinguishing media : Water jet

[(AU) SWA][Shachihata Inc.] [Artline525T_green_e] 3/6

5.2. Special hazards arising from the substance or mixture

For initial stage extinction, carbon dioxide or dry chemical powder. When a fire extends, fire is extinguished by a large amount of water spray. Do not discharge extinguishing waters into the aquatic environment.

5.3. Advice for firefighters

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe area. Shut off all sources of ignition.

No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Do not throw the leakage thing directly into environment

6.3. Methods and material for containment and cleaning up

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.), and then wipe off the waste well with waste cloth, and rag.

In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.)

and collect into empty container by scoop, suction equipment or the like.

SECTION 7: Handling and storage

7.1. Precautions fo	r safe handling
---------------------	-----------------

Advice on safe handling	Use with adequate ventilation.
, arree en eare handling	Avoid contact with skin, eyes and clothing.
	Obtain special instructions before use.
	Do not handle until all safety precautions have been read and understood.
	Do not eat, drink or smoke when using this product.
2 Conditions for safe sta	rado, including any incompatibilities

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage: Keep containers tightly closed and store in a cool and dry place.areas and containers: Keep away from heat and flame, ignition source and sunlight.Keep out of the reach of children.

100 ppm

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

•		
Australian exposure	standards(202	18)
Ethyl alcohol	TWA	1000ppm
Propan-2-ol	TWA	400ppm
Propan-1-ol	TWA	200ppm
EH40/2005 Workplac	ce exposure li	mits
Ethyl alcohol	TWA	1000ppm
Propan-2-ol	TWA	400ppm
Propan-1-ol	TWA	200ppm
ACGIH (2018)		
Ethyl alcohol	STEL	1000ppm
Propan-2-ol	TWA	200ppm

TWA

Propan-1-ol 8.2. Exposure controls

Personal protective equipment

: Use with local exhaust ventilation, when in long use.
Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.
: Avoid contact with hands. Wear safety gloves, if necessary.
: Avoid contact with eyes. Wear safety glasses, if necessary.
: Avoid skin contact. Wear personal protection apron, boots, if necessary.

[(AU) SWA][Shachihata Inc.] [Artline525T_green_e] 4/6

Environmental exposure controls

- General advice
- : Prevent product from entering drains.
 - Prevent further leakage or spillage if safe to do so.
 - If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: green liquid		
Odour	: minor solvent odour		
рН	: Not applicable		
Boiling point	: 78 ~ 97°C		
Flash point	: 13°C (closed cup)		
Relative Density (at 25°C)	: 0.8 ~ 0.9 (g/cm ³)		
Solubility in Water	: Insoluble		

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Thermally stable at typical use temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

10.5. Incompatible Materials

No data available

10.6. Hazardous decomposition products CO, CO_2

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity : LD/LC50 values that are relevant for classification [Ethyl alcohol] Oral-rat >5,000 mg/kg LD50 Inhalation-rat LC50 >20 mg/L/4h [Propan-2-ol] Oral-rat LD50 >5,000 mg/kg Dermal-rabbit LD50 >5,000 mg/kg Inhalation-rat LC50 >20 mg/L/4h [Propan-1-ol] Oral-rat LD50 >2,000 mg/kg >2,000 mg/kg Dermal-rabbit LD50 Inhalation-rat LC50 >20 mg/L/4h Serious eye damage : Category 1 Causes serious eye damage Specific target organ toxicity : Category 3 May cause drowsiness or dizziness (single exposure) Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, EPA, EU or NTP. SECTION 12: Ecological information

12.1. Toxicity	: No data available
12.2. Persistence and degradability	: No data available
12.3. Bioaccumulative potential	: No data available

[(AU) SWA][Shachihata Inc.] [Artline525T_green_e] 5/6

12.4. Mobility in soil	: No data available
12.5. Results of PBT and vPvB assessment	: No data available
12.6. Other adverse effects	: No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal must be made according to official regulations.

Comply with all Federal, State, and Local regulations regarding disposal.

Do not allow product to reach ground, any water course or sewage system.

SECTION 14: Transport information

Determination of whether a Dangerous Good based on ADG Code criteria. UN Numbers listed as "UN" followed by 4 digits. Dangerous Good Classes and Labels for all Dangerous Goods. Special Provisions listed. Road – ADG – Australian Dangerous Goods Code (Road and Rail) Air – IATA – International Air Transport Association Sea – IMDG – International Maritime Dangerous Goods

	0			
14.1. UN number	ADG, IMDG, IATA	:	UN1210	
14.2. UN proper shipping name	ADG, IMDG, IATA	:	PRINTING INK, flammable	
14.3. Transport hazard class(es)	ADG, IMDG, IATA · Class · Label		3 (Flammable liquids) 3	
14.4. Packing group	ADG, IMDG, IATA	:	П	3
14.5. Environmental hazards	Marine pollutant	:	No	
14.6. Special precautions for user	EMS Number	:	F-E,S-D	
14.7. HAZCHEM Code		:	3YE (ADG7)	

☆☆

Artline WHITEBOARD MARKER (Artline 525T,525TT,541T) is not a hazardous material by the special provision.

Artline WHITEBOARD MARKE	R (Artline 525T,525TT,541T)	(The amount of ink : less than 10ml)
UN number	: UN3175	
UN proper shipping name	: Solids containing Flammable	Liquid. n.o.s.
ΙΑΤΑ	Special Provision A46	
IMDG Code	Special Provision 216	
According to IATA Special D	rovision A46 and IMDG Code 9	Special Provision 216, small inner

According to IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to as a hazardous material/dangerous goods provided there is no free liquid in the packet or article.

SECTION 15: Regulatory information

This product does not contain any hazardous chemical that has been determined by Montreal Protocol (Ozone depleting substances), The Stockholm Convention (Persistent Organic Pollutants), and The Rotterdam Convention (Prior Informed Consent).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

References				
Model Code of Practice	Preparation of Safety Data Sheets for Hazardous Chemicals			
	Labelling of Workplace Hazardous Chemicals			
	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition			
	[NOHSC: 2011 (2003)]			
GHS	Globally Harmonised System of Classification and Labelling of Chemicals (GHS)			
Safe Work Australia HSIS	http://hsis.safeworkaustralia.gov.au/HazardousSubstance			
WES	Workplace Exposure Standards for Airborne Contaminants (2018)			
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th edition,			
	National Transport Commission. (ADG7)			



This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

EU RoHS Directive(2011/65/EC) ELV Directive(2000/53/EC)



Safety Data Sheet



(H225)

(H319)

(P102)

(P210)

(P243)

(P264)

according to Safe Work Australia document

"Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011"

					te:19th Jul. 2013 te:7th Jan. 2019
ECTION 1:	Identification ; C	hemical product and	company identifi	ication	
1.1. Product i Product Na	me : Artline WHIT	EBOARD MARKER 5T, 525TT, 541T	Colour : (Orange)		Artime S2ST WHITEBOARD MARKER
1.2. Relevant Recommer		ne substance or mixture a oard marker ink	and uses advised ag	ainst	Artline 523TT
1.3. Details o	f the supplier of the	safety data sheet			
Supplier	Company Name Address Phone Contact (e-mail) Website	 ACCO Brands Australia 2 Coronation Avenue, I 02 9694 0900 (9am to sister and sister	Kings Park, 2148 NSW		
Manufactur	rer Company Name Address Phone Fax Contact (e-mail)	 Shachihata Inc. 4-69,Amazuka-cho,Nis +81-52-521-3600 +81-52-521-3899 chem-analysis@ngy.shact 		-0021,Japan	MINISTERIARDI MANKER MINISTERIARDI MANKER MINISTERIARDI MANKER MINISTERIAR MIN
1.4. Emergen	cy telephone numb	er	Artli	ne [®]	Fine nb
Poiso	ons Information Centre	e: 13 11 26		ard Marker	WHITEBOA
ECTION 2:	Hazards identific	ation			
Hazardous Sub	stance, Dangerous Go	ods.			

Classified as hazardous according to the criteria of Safe Work Australia (SWA - formerly NOHSC), and as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code for Transport by Road and Rail.

2.1. Classification of the substance or mixture

2.1.1. Classification (SWA)

Flammable liquids, Category 2 Eye irritation, Category 2A

- H225 : Highly flammable liquid and vapour
- H319 : Causes serious eye irritation

2.2. Label elements

Labelling (SWA) Symbols



Signal word

: Danger

Hazard statement

: Highly flammable liquid and vapour

Causes serious eye irritation

Precautionary statement

[Prevention]

Keep out of reach of children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.

Wash hands thoroughly after handling.

[(AU) SWA][Shachihata Inc.] [Artline525T_orange_e] 2/6

	Use only outdoors or in a well-ventilated area.	(P271)
	Wear eye protection.	(P280)
	[Response]	
	In case of fire : Use dry chemical powder, foam or carbon dioxide to extinguish.	(P370+P378)
	IF IN EYES : Rinse cautiously with water for several minutes.	(P305+P351+P338)
	Remove contact lenses, if present and easy to do. Continue rinsing.	
	If eye irritation persists : Get medical advice and attention.	(P337+P313)
	Immediately call a POISON CENTER or physician.	(P310)
	IF ON SKIN (or hair) : Take off immediately all contaminated clothing. Rinse skin with water.	(P303+P361+P353)
	If skin irritation occurs : Get medical advice and attention.	(P332+P313)
	[Storage]	
	Store in a well-ventilated place. Keep container tightly closed.	(P403+P233)
	[Disposal]	
	Dispose of contents and container in accordance with local regulations.	(P501)
2.3	3. Other hazards	

No information available.

SECTION 3: Composition/information on ingredients

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethyl alcohol	60 ~ 70	64-17-5	Flam. Liq. 2	H225
Propan-2-ol	10 ~ 20	67-63-0	Flam. Liq. 2 Eye Irrit. 2A STOT. SE. 3	H225 H319 H336
Propan-1-ol	1 ~ 5	71-23-8	Flam. Liq. 2 Eye Dam. 1 STOT. SE. 3	H225 H318 H336
Synthetic resin	1 ~ 5	Confidential	none	none
Organic pigment	1 ~ 5	Confidential	none	none
Additive	10 ~ 15	Confidential	none	none
total	100			

SECTION 4: First-aid measures

4.1. Description of first aid measures

IF INHALED	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.
IF ON SKIN	Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

SECTION 5: Firefighting-measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical powder, foam or carbon dioxide
• •	
Unsuitable extinguishing media	: Water iet
<u> </u>	

5.2. Special hazards arising from the substance or mixture

For initial stage extinction, carbon dioxide or dry chemical powder. When a fire extends, fire is extinguished by a large amount of water spray. Do not discharge extinguishing waters into the aquatic environment. [(AU) SWA][Shachihata Inc.] [Artline525T_orange_e] 3/6

5.3. Advice for firefighters

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe area. Shut off all sources of ignition.

No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Do not throw the leakage thing directly into environment

6.3. Methods and material for containment and cleaning up

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.), and then wipe off the waste well with waste cloth, and rag.

In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.)

and collect into empty container by scoop, suction equipment or the like.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	: Use with adequate ventilation.
	Avoid contact with skin, eyes and clothing.
	Obtain special instructions before use.
	Do not handle until all safety precautions have been read and understood.
	Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage	: Keep containers tightly closed and store in a cool and dry place.
areas and containers	Keep away from heat and flame, ignition source and sunlight.
	Keep out of the reach of children.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

Australian exposure standards(2018)		
Ethyl alcohol	TWA	1000ppm
Propan-2-ol	TWA	400ppm
Propan-1-ol	TWA	200ppm

EH40/2005 Workplace exposure limits

Ethyl alcohol	TWA	1000ppm
Propan-2-ol	TWA	400ppm
Propan-1-ol	TWA	200ppm
ACGIH (2018)		
Ethyl alcohol	STEL	1000ppm
Propan-2-ol	TWA	200ppm
Propan-1-ol	TWA	100 ppm

8.2. Exposure controls

Personal protective equipm	ent	
Respiratory Protection	: Use with local exhaust ventilation, when in long use.	
	Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.	
Hand Protection	: Avoid contact with hands. Wear safety gloves, if necessary.	
Eye Protection	: Avoid contact with eyes. Wear safety glasses, if necessary.	
Skin Protection	: Avoid skin contact. Wear personal protection apron, boots, if necessary.	

Environmental exposure controls

General advice

: Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: orange liquid
Odour	: minor solvent odour
рН	: Not applicable
Boiling point	: 78 ~ 97°C
Flash point	: 13°C (closed cup)
Relative Density (at 25°C)	$: 0.8 \sim 0.9 \text{ (g/cm}^3\text{)}$
Solubility in Water	: Insoluble

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Thermally stable at typical use temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

10.5. Incompatible Materials

No data available

10.6. Hazardous decomposition products

 CO, CO_2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Eye irritation	: Category 2A Car	uses serio	us eye irritation
	Inhalation-rat	LC50	>20 mg/L/4h
	Dermal-rabbit	LD50	>2,000 mg/kg
	Oral-rat	LD50	>2,000 mg/kg
	[Propan-1-ol]		
	Inhalation-rat	LC50	>20 mg/L/4h
	Dermal-rabbit	LD50	>5,000 mg/kg
	Oral-rat	LD50	>5,000 mg/kg
	[Propan-2-ol]		
	Inhalation-rat	LC50	>20 mg/L/4h
	Oral-rat	LD50	>5,000 mg/kg
	[Ethyl alcohol]		

Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, EPA, EU or NTP.

SECTION 12: Ecological information

12.1. Toxicity	: No data available
12.2. Persistence and degradability	: No data available
12.3. Bioaccumulative potential	: No data available
12.4. Mobility in soil	: No data available
12.5. Results of PBT and vPvB assessment	: No data available
12.6. Other adverse effects	: No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal must be made according to official regulations.

Comply with all Federal, State, and Local regulations regarding disposal.

Do not allow product to reach ground, any water course or sewage system.

SECTION 14: Transport information Determination of whether a Dangerous Good based on ADG Code criteria. UN Numbers listed as "UN" followed by 4 digits. Dangerous Good Classes and Labels for all Dangerous Goods. Special Provisions listed. Road – ADG – Australian Dangerous Goods Code (Road and Rail) Air – IATA – International Air Transport Association Sea – IMDG – International Maritime Dangerous Goods 14.1. UN number ADG, IMDG, IATA : UN1210 14.2. UN proper shipping name ADG, IMDG, IATA : PRINTING INK, flammable 14.3. Transport hazard class(es) ADG, IMDG, IATA 3 (Flammable liquids) Class Label 3 : 1 14.4. Packing group ADG, IMDG, IATA 14.5. Environmental hazards Marine pollutant : No 14.6. Special precautions for user EMS Number : F-E,S-D 14.7. HAZCHEM Code : 3YE (ADG7) ☆☆ Artline WHITEBOARD MARKER (Artline 525T,525TT,541T) is not a hazardous material by the special provision. Arthing WHITEROADD MARKER (Arthing 525T 525TT 541T) (The amount of ink : less than 10ml)

	ATTINE WHITEBOARD MARK	ER (Antine 5251,52511,5411) (The amount of link liess than 1011)
	UN number	: UN3175
	UN proper shipping name	Solids containing Flammable Liquid. n.o.s.
	IATA	Special Provision A46
	IMDG Code	Special Provision 216
According to IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid i		

packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid i Packing Group I or II absorbed onto a solid material are not subject to as a hazardous material/dangerous goods provided there is no free liquid in the packet or article.

SECTION 15: Regulatory information

This product does not contain any hazardous chemical that has been determined by Montreal Protocol (Ozone depleting substances), The Stockholm Convention (Persistent Organic Pollutants), and The Rotterdam Convention (Prior Informed Consent).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

References		
Model Code of Practice	Preparation of Safety Data Sheets for Hazardous Chemicals	
	abelling of Workplace Hazardous Chemicals	
	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition	
	[NOHSC: 2011 (2003)]	
GHS	Globally Harmonised System of Classification and Labelling of Chemicals (GHS)	
Safe Work Australia HSIS	http://hsis.safeworkaustralia.gov.au/HazardousSubstance	
WES	Workplace Exposure Standards for Airborne Contaminants (2018)	
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th edition,	
	National Transport Commission. (ADG7)	



This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

EU RoHS Directive(2011/65/EC) ELV Directive(2000/53/EC)



Safety Data Sheet



according to Safe Work Australia document

"Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011"

	Preparation of Sar	ety Data Sneets for Hazardous Chemi	Icals Code of Practice December 2011	Issued Date	e:19th Jul. 2013 e:7th Jan. 2019
SECTION 1:	Identification : C	hemical product a	nd company identifi		
1.1. Product i Product Na	identifier me : Artline WHIT Artline 52	EBOARD MARKER 5T, 525TT, 541T	Colour : (Pink)		Artime 223 WHITEBOARD MARKER
1.2. Relevant Recommer		he substance or mixtui poard marker ink	re and uses advised ag	ainst	Artline 323TT
Supplier	f the supplier of the Company Name Address Phone Contact (e-mail) Website rer Company Name Address Phone Fax Contact (e-mail)	 ACCO Brands Austr 2 Coronation Avenu 02 9694 0900 (9am sds.anz@acco.com www.accobrands.com Shachihata Inc. 4-69,Amazuka-cho,I +81-52-521-3600 +81-52-521-3899 	e, Kings Park, 2148 NSW to 5pm AEST, Monday to .au Nishi-ku,Nagoya City,451	o Friday)	
•	cy telephone numb			ine ^s pard Marker YPE	Fine rab
Hazardous Sub Classified as	•	oods. to the criteria of Safe Work	Australia (SWA - formerly bus Goods (ADG) Code for		ad and Rail.

2.1. Classification of the substance or mixture

2.1.1. Classification (SWA)

- Flammable liquids, Category 2
- Serious eye damage, Category 1

Specific target organ toxicity ; single exposure, Category 3 H336 : May cause drowsiness or dizziness (narcotic effects)

: Danger

- H225 : Highly flammable liquid and vapour H318 : Causes serious eye damage

2.2. Label elements

Labelling (SWA) Symbols

Signal word



Hazard statement	: Highly flammable liquid and vapour	(H225)
	Causes serious eye damage	(H318)
	May cause drowsiness or dizziness	(H336)

Precautionary statement	
[Prevention]	
Keep out of reach of children.	
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.	. No smoking.

(P102) (P210)

[(AU) SWA][Shachihata Inc.] [Artline525T_pink_e] 2/6	
Take precautionary measures against static discharge.	(P243)
Avoid breathing vapours.	(P261)
Use only outdoors or in a well-ventilated area.	(P271)
Wear eye protection.	(P280)
[Response]	
In case of fire : Use dry chemical powder, foam or carbon dioxide to extinguish.	(P370+P378)
IF INHALED : Remove person to fresh air and keep comfortable for breathing.	(P304+P340)
IF IN EYES : Rinse cautiously with water for several minutes.	(P305+P351+P338)
Remove contact lenses, if present and easy to do. Continue rinsing.	
If eye irritation persists : Get medical advice and attention.	(P337+P313)
Immediately call a POISON CENTER or physician.	(P310)
IF ON SKIN (or hair) : Take off immediately all contaminated clothing. Rinse skin with water.	(P303+P361+P353)
If skin irritation occurs : Get medical advice and attention.	(P332+P313)
[Storage]	
Store in a well-ventilated place. Keep container tightly closed.	(P403+P233)
[Disposal]	
Dispose of contents and container in accordance with local regulations.	(P501)
2. Other hazarda	

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethyl alcohol	35 ~ 45	64-17-5	Flam. Liq. 2	H225
Propan-2-ol	30 ~ 40	67-63-0	Flam. Liq. 2 Eye Irrit. 2A STOT. SE. 3	H225 H319 H336
Propan-1-ol	5 ~ 15	71-23-8	Flam. Liq. 2 Eye Dam. 1 STOT. SE. 3	H225 H318 H336
Synthetic resin	1 ~ 5	Confidential	none	none
Organic pigment	1 ~ 5	Confidential	none	none
Additive	5 ~ 15	Confidential	none	none
total	100			

SECTION 4: First-aid measures

4.1. Description of first aid measures

IF INHALED	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.
IF ON SKIN	 Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

SECTION 5: Firefighting-measures

5.1. Extinguishing media Suitable extinguishing media : Dry chemical powder, foam or carbon dioxide

Unsuitable extinguishing media : Water jet

[(AU) SWA][Shachihata Inc.] [Artline525T_pink_e] 3/6

5.2. Special hazards arising from the substance or mixture

For initial stage extinction, carbon dioxide or dry chemical powder. When a fire extends, fire is extinguished by a large amount of water spray. Do not discharge extinguishing waters into the aquatic environment.

5.3. Advice for firefighters

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe area. Shut off all sources of ignition.

No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Do not throw the leakage thing directly into environment

6.3. Methods and material for containment and cleaning up

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.), and then wipe off the waste well with waste cloth, and rag.

In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.) and collect into empty container by scoop, suction equipment or the like.

SECTION 7: Handling and storage

7.1. Precautions	for safe	handling
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	0
Advice on safe handling	: Use with adequate ventilation.
	Avoid contact with skin, eyes and clothing.
	Obtain special instructions before use.
	Do not handle until all safety precautions have been read and understood.
	Do not eat, drink or smoke when using this product.
2. Conditions for safe sto	rage, including any incompatibilities

7.2. Conditions for safe storage

Requirements for storage : Keep containers tightly closed and store in a cool and dry place. areas and containers Keep away from heat and flame, ignition source and sunlight. Keep out of the reach of children.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

Australian exposure standards(2018)				
Ethyl alcohol	TWA	1000ppm		
Propan-2-ol	TWA	400ppm		
Propan-1-ol	TWA	200ppm		
EH40/2005 Workplac	e exposure li	mits		
Ethyl alcohol	TWA	1000ppm		
Propan-2-ol	TWA	400ppm		
Propan-1-ol	TWA	200ppm		
ACGIH (2018)				
Ethyl alcohol	STEL	1000ppm		
Propan-2-ol	TWA	200ppm		

TWA

Propan-1-ol 8.2. Exposure controls

Personal protective equipment

Respiratory Protection	: Use with local exhaust ventilation, when in long use.	
	Avoid breathing vapours. Wear mask to prevent organic gas, if necessary	/.
Hand Protection	: Avoid contact with hands. Wear safety gloves, if necessary.	
Eye Protection	: Avoid contact with eyes. Wear safety glasses, if necessary.	
Skin Protection	: Avoid skin contact. Wear personal protection apron, boots, if necessary.	

100 ppm

[(AU) SWA][Shachihata Inc.] [Artline525T_pink_e] 4/6

Environmental exposure controls

- General advice
- : Prevent product from entering drains.
 - Prevent further leakage or spillage if safe to do so.
 - If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: pink liquid
Odour	: minor solvent odour
рН	: Not applicable
Boiling point	: 78 ~ 97°C
Flash point	: 13°C (closed cup)
Relative Density (at 25°C)	[:] 0.8 ~ 0.9 (g/cm ³)
Solubility in Water	: Insoluble

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Thermally stable at typical use temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

10.5. Incompatible Materials

No data available

10.6. Hazardous decomposition products CO, CO₂

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity : LD/LC50 values that are relevant for classification [Ethyl alcohol] Oral-rat >5,000 mg/kg LD50 Inhalation-rat LC50 >20 mg/L/4h [Propan-2-ol] Oral-rat LD50 >5,000 mg/kg Dermal-rabbit LD50 >5,000 mg/kg Inhalation-rat LC50 >20 mg/L/4h [Propan-1-ol] Oral-rat LD50 >2,000 mg/kg >2,000 mg/kg Dermal-rabbit LD50 Inhalation-rat LC50 >20 mg/L/4h Serious eye damage : Category 1 Causes serious eye damage Specific target organ toxicity : Category 3 May cause drowsiness or dizziness (single exposure) Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, EPA, EU or NTP. SECTION 12: Ecological information

12.1. Toxicity	: No data available
12.2. Persistence and degradability	: No data available
12.3. Bioaccumulative potential	: No data available

12.4. Mobility in soil

- : No data available
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects

No data availableNo data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal must be made according to official regulations.

Comply with all Federal, State, and Local regulations regarding disposal.

Do not allow product to reach ground, any water course or sewage system.

SECTION 14: Transport information

Determination of whether a Dangerous Good based on ADG Code criteria. UN Numbers listed as "UN" followed by 4 digits. Dangerous Good Classes and Labels for all Dangerous Goods. Special Provisions listed. Road – ADG – Australian Dangerous Goods Code (Road and Rail) Air – IATA – International Air Transport Association Sea – IMDG – International Maritime Dangerous Goods

0			
ADG, IMDG, IATA	:	UN1210	
ADG, IMDG, IATA	:	PRINTING INK, flammable	
		· · · ·	
ADG, IMDG, IATA	:	Ш	3
Marine pollutant	:	No	
EMS Number	:	F-E,S-D	
	:	3YE (ADG7)	
	ADG, IMDG, IATA ADG, IMDG, IATA · Class · Label ADG, IMDG, IATA Marine pollutant	ADG, IMDG, IATA : ADG, IMDG, IATA : · Class · Label ADG, IMDG, IATA : Marine pollutant : EMS Number :	ADG, IMDG, IATA : PRINTING INK, flammable ADG, IMDG, IATA : · Class 3 (Flammable liquids) · Label 3 ADG, IMDG, IATA : I Marine pollutant : No

☆☆

Artline WHITEBOARD MARKER (Artline 525T,525TT,541T) is not a hazardous material by the special provision.

Artline WHITEBOARD MARKE	R (Artline 525T,525TT,541T)	(The amount of ink : less than 10ml)
UN number	: UN3175	
UN proper shipping name	: Solids containing Flammable	Liquid. n.o.s.
ΙΑΤΑ	Special Provision A46	
IMDG Code	Special Provision 216	
Assertion to JATA Operatel Devision A40, and IMDO Operate Operatel Devision 040, small income		

According to IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to as a hazardous material/dangerous goods provided there is no free liquid in the packet or article.

SECTION 15: Regulatory information

This product does not contain any hazardous chemical that has been determined by Montreal Protocol (Ozone depleting substances), The Stockholm Convention (Persistent Organic Pollutants), and The Rotterdam Convention (Prior Informed Consent).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

References			
Model Code of Practice	ce Preparation of Safety Data Sheets for Hazardous Chemicals		
	Labelling of Workplace Hazardous Chemicals		
	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition		
	[NOHSC: 2011 (2003)]		
GHS	Globally Harmonised System of Classification and Labelling of Chemicals (GHS)		
Safe Work Australia HSIS	http://hsis.safeworkaustralia.gov.au/HazardousSubstance		
WES	Workplace Exposure Standards for Airborne Contaminants (2018)		
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th edition,		
	National Transport Commission. (ADG7)		



This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

EU RoHS Directive(2011/65/EC) ELV Directive(2000/53/EC)



Safety Data Sheet



according to Safe Work Australia document

"Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011"

					19th Jul. 2013 7th Jan. 2019
SECTION 1:	Identification ; C	hemical product and	company identifi	ication	
1.1. Product Product Na	ame : Artline WHIT	EBOARD MARKER 5T, 525TT, 541T	Colour : (Purple)		HTTER SZOT INTERDARD MARKER (2011)
1.2. Relevant Recommer		ne substance or mixture a	and uses advised aga	ainst	tline 523TT HITTARIARI MARIA RE
1.3. Details o	of the supplier of the	safety data sheet			
Supplier	Company Name Address Phone Contact (e-mail) Website	 ACCO Brands Australi 2 Coronation Avenue, 02 9694 0900 (9am to sds.anz@acco.com www.accobrands.com.au 	Kings Park, 2148 NSW 5pm AEST, Monday to		
Manufactu	Address Phone Fax	 Shachihata Inc. 4-69,Amazuka-cho,Nis +81-52-521-3600 +81-52-521-3899 chem-analysis@ngy.shace 		-0021,Japan	
1.4. Emergen	ncy telephone numb	er	Artli	ne ^s	Artline 52511
Poisc	ons Information Centre	e: 13 11 26	Whiteboe TWIN TY	ard Marker PE Bold nib	WHITEBOARD
SECTION 2:	Hazards identific	ation			
Hazardous Sub	ostance , Dangerous Go	ods.			

Classified as hazardous according to the criteria of Safe Work Australia (SWA - formerly NOHSC), and as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code for Transport by Road and Rail.

2.1. Classification of the substance or mixture

2.1.1. Classification (SWA)

- Flammable liquids, Category 2
- Eye irritation, Category 2A

Specific target organ toxicity ; single exposure, Category 3 H336 : May cause drowsiness or dizziness (narcotic effects)

2.2. Label elements

Labelling (SWA) Symbols



Signal word	•	Danger
Hazard statement	:	Highly flammable liquid and vapour
		Causes serious eye irritation
		May cause drowsiness or dizziness

- H225 : Highly flammable liquid and vapour
- H319 : Causes serious eye irritation

(H225)
(H319)

(H336)

Precautionary statement		
[Prevention]		
Keep out of reach of children.		

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

(P102) (P210)

[(AU) SWA][Shachihata Inc.] [Artline525T_purple_e] 2/6	
Take precautionary measures against static discharge.	(P243)
Avoid breathing vapours.	(P261)
Use only outdoors or in a well-ventilated area.	(P271)
Wear eye protection.	(P280)
[Response]	
In case of fire : Use dry chemical powder, foam or carbon dioxide to extinguish.	(P370+P378)
IF INHALED : Remove person to fresh air and keep comfortable for breathing.	(P304+P340)
IF IN EYES : Rinse cautiously with water for several minutes.	(P305+P351+P338)
Remove contact lenses, if present and easy to do. Continue rinsing.	
If eye irritation persists : Get medical advice and attention.	(P337+P313)
Immediately call a POISON CENTER or physician.	(P310)
IF ON SKIN (or hair) : Take off immediately all contaminated clothing. Rinse skin with water.	(P303+P361+P353)
If skin irritation occurs : Get medical advice and attention.	(P332+P313)
[Storage]	
Store in a well-ventilated place. Keep container tightly closed.	(P403+P233)
[Disposal]	
Dispose of contents and container in accordance with local regulations.	(P501)

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethyl alcohol	45 ~ 55	64-17-5	Flam. Liq. 2	H225
Propan-2-ol	30 ~ 35	67-63-0	Flam. Liq. 2 Eye Irrit. 2A STOT. SE. 3	H225 H319 H336
Propan-1-ol	1 ~ 5	71-23-8	Flam. Liq. 2 Eye Dam. 1 STOT. SE. 3	H225 H318 H336
Synthetic resin	1 ~ 5	Confidential	none	none
Organic pigment	1 ~ 5	Confidential	none	none
Additive	5 ~ 15	Confidential	none	none
total	100			

SECTION 4: First-aid measures

4.1. Description of first aid measures

IF INHALED	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.
IF ON SKIN	 Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

SECTION 5: Firefighting-measures

5.1. Extinguishing media Suitable extinguishing media : Dry chemical powder, foam or carbon dioxide

Unsuitable extinguishing media : Water jet

[(AU) SWA][Shachihata Inc.] [Artline525T_purple_e] 3/6

5.2. Special hazards arising from the substance or mixture

For initial stage extinction, carbon dioxide or dry chemical powder. When a fire extends, fire is extinguished by a large amount of water spray. Do not discharge extinguishing waters into the aquatic environment.

5.3. Advice for firefighters

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe area. Shut off all sources of ignition.

No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Do not throw the leakage thing directly into environment

6.3. Methods and material for containment and cleaning up

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.), and then wipe off the waste well with waste cloth, and rag.

In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.) and collect into empty container by scoop, suction equipment or the like.

SECTION 7: Handling and storage

7.1. Precautions for sa	fe handling
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Advice on safe handling	: Use with adequate ventilation.
	Avoid contact with skin, eyes and clothing.
	Obtain special instructions before use.
	Do not handle until all safety precautions have been read and understood.
	Do not eat, drink or smoke when using this product.
2. Conditions for safe sto	rage, including any incompatibilities

7.2

: Keep containers tightly closed and store in a cool and dry place. Requirements for storage areas and containers Keep away from heat and flame, ignition source and sunlight. Keep out of the reach of children.

SECTION 8: Exposure controls and personal protection

1 (0040)

8.1. Control parameters

Australian exposure standards(2018)				
Ethyl alcohol	TWA	1000ppm		
Propan-2-ol	TWA	400ppm		
Propan-1-ol	TWA	200ppm		
EH40/2005 Workplac	e exposure li	mits		
Ethyl alcohol	TWA	1000ppm		
Propan-2-ol	TWA	400ppm		
Propan-1-ol	TWA	200ppm		
ACGIH (2018)				
Ethyl alcohol	STEL	1000ppm		
Propan-2-ol	TWA	200ppm		

TWA

8.2. Exposure controls

Propan-1-ol

Personal protective equipment

Respiratory Protection	: Use with local exhaust ventilation, when in long use.	
	Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.	
Hand Protection	: Avoid contact with hands. Wear safety gloves, if necessary.	
Eye Protection	: Avoid contact with eyes. Wear safety glasses, if necessary.	
Skin Protection	: Avoid skin contact. Wear personal protection apron, boots, if necessary.	

100 ppm

[(AU) SWA][Shachihata Inc.] [Artline525T_purple_e] 4/6

Environmental exposure controls

- General advice
- : Prevent product from entering drains.
 - Prevent further leakage or spillage if safe to do so.
 - If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: purple liquid
Odour	: minor solvent odour
рН	: Not applicable
Boiling point	: 78 ~ 97°C
Flash point	: 13°C (closed cup)
Relative Density (at 25°C)	: 0.8 ~ 0.9 (g/cm ³)
Solubility in Water	: Insoluble

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Thermally stable at typical use temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

10.5. Incompatible Materials

No data available

10.6. Hazardous decomposition products CO, CO₂

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity : LD/LC50 values that are relevant for classification [Ethyl alcohol] Oral-rat >5,000 mg/kg LD50 Inhalation-rat LC50 >20 mg/L/4h [Propan-2-ol] Oral-rat LD50 >5,000 mg/kg Dermal-rabbit LD50 >5,000 mg/kg Inhalation-rat LC50 >20 mg/L/4h [Propan-1-ol] Oral-rat LD50 >2,000 mg/kg Dermal-rabbit LD50 >2,000 mg/kg Inhalation-rat LC50 >20 mg/L/4h Eye irritation : Category 2A Causes serious eye irritation Specific target organ toxicity : Category 3 May cause drowsiness or dizziness (single exposure) Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, EPA, EU or NTP.

SECTION 12: Ecological information 12.1. Toxicity : No data available

12.1. Persistence and degradability: No data available12.3. Bioaccumulative potential: No data available

[(AU) SWA][Shachihata Inc.] [Artline525T_purple_e] 5/6

12.4. Mobility in soil	: No data available
12.5. Results of PBT and vPvB assessment	: No data available
12.6. Other adverse effects	: No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal must be made according to official regulations.

Comply with all Federal, State, and Local regulations regarding disposal.

Do not allow product to reach ground, any water course or sewage system.

SECTION 14: Transport information

Determination of whether a Dangerous Good based on ADG Code criteria. UN Numbers listed as "UN" followed by 4 digits. Dangerous Good Classes and Labels for all Dangerous Goods. Special Provisions listed. Road – ADG – Australian Dangerous Goods Code (Road and Rail) Air – IATA – International Air Transport Association Sea – IMDG – International Maritime Dangerous Goods

14.1. UN number	ADG, IMDG, IATA	: UN1210
14.2. UN proper shipping name	ADG, IMDG, IATA	: PRINTING INK, flammable
14.3. Transport hazard class(es)	ADG, IMDG, IATA · Class · Label	: 3 (Flammable liquids) 3
14.4. Packing group	ADG, IMDG, IATA	: Ш
14.5. Environmental hazards	Marine pollutant	: No
14.6. Special precautions for user	EMS Number	: F-E,S-D
14.7. HAZCHEM Code		: 3YE (ADG7)

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Artline WHITEBOARD MARKER (Artline 525T,525TT,541T) is not a hazardous material by the special provision.

Artline WHITEBOARD MARKER	(Artline 525T,525TT,541T)	(The amount of ink : less than 10ml)
UN number :	UN3175	
UN proper shipping name :	Solids containing Flammable	Liquid. n.o.s.
ΙΑΤΑ	Special Provision A46	
IMDG Code	Special Provision 216	
		a sist Description 040, see all incom

According to IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or II absorbed onto a solid material are not subject to as a hazardous material/dangerous goods provided there is no free liquid in the packet or article.

SECTION 15: Regulatory information

This product does not contain any hazardous chemical that has been determined by Montreal Protocol (Ozone depleting substances), The Stockholm Convention (Persistent Organic Pollutants), and The Rotterdam Convention (Prior Informed Consent).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

References			
Model Code of Practice	Preparation of Safety Data Sheets for Hazardous Chemicals		
	Labelling of Workplace Hazardous Chemicals		
	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition		
	[NOHSC: 2011 (2003)]		
GHS	Globally Harmonised System of Classification and Labelling of Chemicals (GHS)		
Safe Work Australia HSIS	http://hsis.safeworkaustralia.gov.au/HazardousSubstance		
WES	Workplace Exposure Standards for Airborne Contaminants (2018)		
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th edition,		
	National Transport Commission. (ADG7)		



This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

EU RoHS Directive(2011/65/EC) ELV Directive(2000/53/EC)



Safety Data Sheet



according to Safe Work Australia document

"Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice December 2011"

Issued Date : 19th Jul. 2013 Revised Date: 7th Jan. 2019 SECTION 1: Identification ; Chemical product and company identification 1.1. Product identifier : Artline WHITEBOARD MARKER Colour : (Red) Product Name TEBOARD MARKER Artline 525T, 525TT, 541T 1.2. Relevant identified uses of the substance or mixture and uses advised against : Whiteboard marker ink Recommended use 1.3. Details of the supplier of the safety data sheet : ACCO Brands Australia Pty Ltd Supplier Company Name Address : 2 Coronation Avenue, Kings Park, 2148 NSW, Australia Phone : 02 9694 0900 (9am to 5pm AEST, Monday to Friday) Contact (e-mail) : sds.anz@acco.com Website : <u>www.accobrands.com.au</u> Manufacturer Company Name : Shachihata Inc. Address : 4-69, Amazuka-cho, Nishi-ku, Nagoya City, 451-0021, Japan Phone : +81-52-521-3600 : +81-52-521-3899 Fax Contact (e-mail) : <u>chem-analysis@ngy.shachihata.co.jp</u> 1.4. Emergency telephone number rtline Poisons Information Centre : 13 11 26 **SECTION 2: Hazards identification** Hazardous Substance, Dangerous Goods. Classified as hazardous according to the criteria of Safe Work Australia (SWA - formerly NOHSC),

and as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code for Transport by Road and Rail.

2.1. Classification of the substance or mixture

2.1.1. Classification (SWA)

- Flammable liquids, Category 2
- Serious eye damage, Category 1

Specific target organ toxicity; single exposure, Category 3 H336 : May cause drowsiness or dizziness (narcotic effects)

: Danger

- H225 : Highly flammable liquid and vapour H318 : Causes serious eye damage

2.2. Label elements

Labelling (SWA) Symbols

Signal word



Hazard statement	: Highly flammable liquid and vapour	(H225)
	Causes serious eye damage	(H318)
	May cause drowsiness or dizziness	(H336)

Precautionary statement	
[Prevention]	
Keep out of reach of children.	(P102)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	(P210)

[(AU) SWA][Shachihata Inc.] [Artline525T_red_e] 2/6	
Take precautionary measures against static discharge.	(P243)
Avoid breathing vapours.	(P261)
Use only outdoors or in a well-ventilated area.	(P271)
Wear eye protection.	(P280)
[Response]	
In case of fire : Use dry chemical powder, foam or carbon dioxide to extinguish.	(P370+P378)
IF INHALED : Remove person to fresh air and keep comfortable for breathing.	(P304+P340)
IF IN EYES : Rinse cautiously with water for several minutes.	(P305+P351+P338)
Remove contact lenses, if present and easy to do. Continue rinsing.	
If eye irritation persists : Get medical advice and attention.	(P337+P313)
Immediately call a POISON CENTER or physician.	(P310)
IF ON SKIN (or hair) : Take off immediately all contaminated clothing. Rinse skin with water.	(P303+P361+P353)
If skin irritation occurs : Get medical advice and attention.	(P332+P313)
[Storage]	
Store in a well-ventilated place. Keep container tightly closed.	(P403+P233)
[Disposal]	
Dispose of contents and container in accordance with local regulations.	(P501)
3 Other hazards	

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Ingredients :

Chemical Name / Generic name	Composition weight %	CAS Registry No.	Hazard Class (category)	Hazard statement
Ethyl alcohol	25 ~ 35	64-17-5	Flam. Liq. 2	H225
Propan-2-ol	35 ~ 45	67-63-0	Flam. Liq. 2 Eye Irrit. 2A STOT. SE. 3	H225 H319 H336
Propan-1-ol	10 ~ 20	71-23-8	Flam. Liq. 2 Eye Dam. 1 STOT. SE. 3	H225 H318 H336
Synthetic resin	1 ~ 5	Confidential	none	none
Organic pigment	1 ~ 5	Confidential	none	none
Additive	5 ~ 15	Confidential	none	none
total	100			

SECTION 4: First-aid measures

4.1. Description of first aid measures

IF INHALED	 Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a doctor if symptoms persist.
IF ON SKIN	 Remove / Take off immediately all contaminated clothing. Wash with soap and water. If skin irritation/rash occurs or feel unwell, consult a doctor for medical advice.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
IF SWALLOWED	: After rinse mouth immediately, give about 250 ml of water or milk and thin in the stomach, and do not vomit forcibly. Moreover, do not give anything from the mouth to the patient when not conscious. Receive the doctor's treatment (stomach pump) promptly.

SECTION 5: Firefighting-measures

5.1. Extinguishing media Suitable extinguishing media : Dry chemical powder, foam or carbon dioxide

Unsuitable extinguishing media : Water jet

[(AU) SWA][Shachihata Inc.] [Artline525T_red_e] 3/6

5.2. Special hazards arising from the substance or mixture

For initial stage extinction, carbon dioxide or dry chemical powder. When a fire extends, fire is extinguished by a large amount of water spray. Do not discharge extinguishing waters into the aquatic environment.

5.3. Advice for firefighters

In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn. Because during a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe area. Shut off all sources of ignition.

No Flares, smoking or flame in area. Put on protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions

Do not throw the leakage thing directly into environment

6.3. Methods and material for containment and cleaning up

In case of a small spill, remove by absorbing with absorbents (sawdust, soil, sand, waste cloth, etc.), and then wipe off the waste well with waste cloth, and rag.

In case of large spills, prevent leakage by enclosing with nonflammables (earth and sand, etc.) and collect into empty container by scoop, suction equipment or the like.

SECTION 7: Handling and storage

7.1. Precautions for sa	fe handling
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Advice on safe handling	: Use with adequate ventilation.	
	Avoid contact with skin, eyes and clothing.	
	Obtain special instructions before use.	
	Do not handle until all safety precautions have been read and understood.	
	Do not eat, drink or smoke when using this product.	
.2. Conditions for safe storage, including any incompatibilities		

7.2

: Keep containers tightly closed and store in a cool and dry place. Requirements for storage areas and containers Keep away from heat and flame, ignition source and sunlight. Keep out of the reach of children.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - - - - - - - (0040)

Australian exposure standards(2018)				
TWA	1000ppm			
TWA	400ppm			
TWA	200ppm			
EH40/2005 Workplace exposure limits				
TWA	1000ppm			
TWA	400ppm			
TWA	200ppm			
STEL	1000ppm			
TWA	200ppm			
	TWA TWA TWA exposure I TWA TWA TWA TWA STEL			

Propan-1-ol TWA 8.2. Exposure controls

Personal protective equipment

Respiratory Protection	: Use with local exhaust ventilation, when in long use.
	Avoid breathing vapours. Wear mask to prevent organic gas, if necessary.
Hand Protection	: Avoid contact with hands. Wear safety gloves, if necessary.
Eye Protection	: Avoid contact with eyes. Wear safety glasses, if necessary.
Skin Protection	: Avoid skin contact. Wear personal protection apron, boots, if necessary.

100 ppm

[(AU) SWA][Shachihata Inc.] [Artline525T_red_e] 4/6

Environmental exposure controls

- General advice
- : Prevent product from entering drains.
 - Prevent further leakage or spillage if safe to do so.
 - If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: red liquid
Odour	: minor solvent odour
рН	: Not applicable
Boiling point	∶ 78 ~ 97°C
Flash point	: 13°C (closed cup)
Relative Density (at 25°C)	: 0.8 ~ 0.9 (g/cm ³)
Solubility in Water	: Insoluble

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Thermally stable at typical use temperatures.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to Avoid

High temperature, Direct sunlight, Fire

10.5. Incompatible Materials

No data available

10.6. Hazardous decomposition products CO, CO_2

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity : LD/LC50 values that are relevant for classification [Ethyl alcohol] Oral-rat >5,000 mg/kg LD50 Inhalation-rat LC50 >20 mg/L/4h [Propan-2-ol] Oral-rat LD50 >5,000 mg/kg Dermal-rabbit LD50 >5,000 mg/kg Inhalation-rat LC50 >20 mg/L/4h [Propan-1-ol] Oral-rat LD50 >2,000 mg/kg >2,000 mg/kg Dermal-rabbit LD50 Inhalation-rat LC50 >20 mg/L/4h Serious eye damage : Category 1 Causes serious eye damage Specific target organ toxicity : Category 3 May cause drowsiness or dizziness (single exposure) Carcinogenicity : This product does not contain any component that is considered a human carcinogen by IARC, ACGIH, EPA, EU or NTP.

SECTION 12: Ecological information 12.1. Toxicity : No data available 12.2. Persistence and degradability

- 12.3. Bioaccumulative potential : No data available
- : No data available

- 12.4. Mobility in soil
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects

- No data availableNo data available
- : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal must be made according to official regulations.

Comply with all Federal, State, and Local regulations regarding disposal.

Do not allow product to reach ground, any water course or sewage system.

SECTION 14: Transport information

Determination of whether a Dangerous Good based on ADG Code criteria. UN Numbers listed as "UN" followed by 4 digits. Dangerous Good Classes and Labels for all Dangerous Goods. Special Provisions listed. Road – ADG – Australian Dangerous Goods Code (Road and Rail) Air – IATA – International Air Transport Association Sea – IMDG – International Maritime Dangerous Goods

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ADG, IMDG, IATA	:	UN1210	
ADG, IMDG, IATA	:	PRINTING INK, flammable	
		· · · ·	
ADG, IMDG, IATA	:	Ш	3
Marine pollutant	:	No	
EMS Number	:	F-E,S-D	
	:	3YE (ADG7)	
	ADG, IMDG, IATA ADG, IMDG, IATA · Class · Label ADG, IMDG, IATA Marine pollutant	ADG, IMDG, IATA : ADG, IMDG, IATA : · Class · Label ADG, IMDG, IATA : Marine pollutant : EMS Number :	ADG, IMDG, IATA : PRINTING INK, flammable ADG, IMDG, IATA : · Class 3 (Flammable liquids) · Label 3 ADG, IMDG, IATA : I Marine pollutant : No

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Artline WHITEBOARD MARKER (Artline 525T,525TT,541T) is not a hazardous material by the special provision.

Artline WHITEBOARD MARKE	R (Artline 525T,525TT,541T)	(The amount of ink : less than 10ml)	
UN number	: UN3175		
UN proper shipping name	: Solids containing Flammable	Liquid. n.o.s.	
ΙΑΤΑ	Special Provision A46		
IMDG Code	Special Provision 216		
Asserting to JATA Operated Drevision A40, and IMDO Operate Operated Drevision 040, and linear			

According to IATA Special Provision A46, and IMDG Code Special Provision 216, small inner packagings consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or III absorbed onto a solid material are not subject to as a hazardous material/dangerous goods provided there is no free liquid in the packet or article.

SECTION 15: Regulatory information

This product does not contain any hazardous chemical that has been determined by Montreal Protocol (Ozone depleting substances), The Stockholm Convention (Persistent Organic Pollutants), and The Rotterdam Convention (Prior Informed Consent).

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

References	
Model Code of Practice	Preparation of Safety Data Sheets for Hazardous Chemicals
	Labelling of Workplace Hazardous Chemicals
	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition
	[NOHSC: 2011 (2003)]
GHS	Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Safe Work Australia HSIS	http://hsis.safeworkaustralia.gov.au/HazardousSubstance
WES	Workplace Exposure Standards for Airborne Contaminants (2018)
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th edition,
	National Transport Commission. (ADG7)



This data sheet may not be enough when evaluating danger or hazard. The above information, which is created from currently available documents, information and data, may be revised when new findings announced. This document has been written on the assumption that when dealing with a large amount of ink on the business case and emergency. When handling as a normal product, please refer to the notes that is described in the produce or packaging. The information contained herein is not intended to provide any kind of warranty other than information, there is no guarantee for the accuracy of the content.

EU RoHS Directive(2011/65/EC) ELV Directive(2000/53/EC)