SDS Report

Ningbo Xiangfeng Imp. & Exp. Co., Ltd.
50# ,Jinji Road , Xiaogang, Ningbo

Sample Name	:	CORRECTION FLUID , CORRECTION PEN
End Uses	:	Stationery, office product
Composition/ Ingredient of Sample (as per client submission)	:	See Section 3 Composition/information on ingredients on the SDS report
Job Receiving Date	:	Feb 04, 2021
Last Information Date	:	Feb 12, 2021
SDS Preparation Period	:	Feb 04 - Feb 12, 2021
Service Requested	:	Preparation of Safety Data Sheet (SDS) for the sample with submitted information.
Summary	:	As per request, the contents and formats of the SDS are prepared in accordance with European (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

Safety data sheet
Regulation (EC) No.1907/2006 and 1272/2008
Version number 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: CORRECTION FLUID , CORRECTION PEN

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance/ the mixture : Stationary , office product

Supplier: Officeworks Ltd.
236-262 East Boundary Road
Bentleigh East VIC 3165
Australia
Tel: 1300 633 423
ABN: 36 004 763 526

Emergency Phone Number: **POISONS INFORMATION CENTRE 13 11 26.**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS02 flame

Flam. Liq.2 H225 Highly flammable liquid and vapour.

GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

GHS07

Skin Irrit. 2 H315Causes skin irritation.

STOT SE 3 H336May cause drowsiness or dizziness.

Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of Regulation 1272/2008/EC.

Classification system:

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

2.2 **Label elements**

Labeling according to Regulation (EC) No 1272/2008

The product is classified and labeled according to CLP Regulation.

Hazard pictograms

GHS02 GHS07 GHS09

Signal word Danger

Hazard-determining components of labeling:

Methylcyclohexane

Safety data sheet
Regulation (EC) No.1907/2006 and 1272/2008
Version number 1

Trade name: CORRECTION FLUID, CORRECTION PEN

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to section 16.

Composition:		
CAS: 108-87-2 EINECS: 203-624-3 Index number: 601-018-00-7	Methylcyclohexane  Flam.Liq. 2, H225;  Aquatic Chronic 2, H411;  Skin Irrit. 2,,H315; STOT SE 3, H336	51.0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	40.0%
CAS: 24969-06-0	Polyepichlorohydrin	9.0%

SECTION 4: First aid measures

4.1 Description of first aid measures

General information : Immediately remove any clothing soiled by the product

After inhalation:In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayedNo further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO_2 , powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:Water with full jet

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Keep away from ignition sources.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid breathing vapors, mist or gas.

Avoid contact with eyes.

Avoid contact with skin.

6.2 Environmental precautions:

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

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Prevent formation of aerosols.

Avoid contact with skin and eyes.

For the general occupational hygienic measures refer to section 8.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Keep away from ignition sources.

Store away from oxidising agents.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
108-87-2methylcyclohexane (51.0%)	
AGW (Germany)	**Long-term value: 810 mg/m³, 200 ppm**
	2(II);DFG
TWA (Italy)	**Long-term value: 1606 mg/m³, 400 ppm**
13463-67-7titanium dioxide (40.0%)	
AGW (Germany)	**Long-term value: 1.25* 10** mg/m³**
	2(II);*alveolengängigeinatembar; AGS, DFG**
TWA (Italy)	**Long-term value: 10 mg/m³**

Regulatory information

AGM (Germany): TRGS 900

VME(France): ED 984,10.2016

DNELs: Data not available

PNECs: Data not available

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Based on composition shown in Section 3, the following messures are suggested for occupational safety measure:

Appropriate engineering controls:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

See Section 7 for information about design of technical facilities.

Personal protective equipment:

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Protection of hands:**

Protective gloves :

]The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/

the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:

Tightly sealed goggles

· Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **Appearance:**	
Form:	Liquid
Colour:	White
· **Odour:**	Weak odor
· **Odour threshold:**	Data not available.
· **pH-value:**	Data not available.
· **Change in condition**	
Melting point/freezing point:	Data not available.
Initial boiling point and boiling range:	Data not available
· **Flash point:**	-7 °C
· **Flammability (solid, gas):**	Not applicable
· **Auto-Ignition temperature:**	Data not available
· **Decomposition temperature:**	Date not available.
· **Self-igniting:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard
· **Explosion limits:**	
Lower:	Data not available.
Upper:	Data not available.
· **Oxidising properties**	Data not available
· **Vapour pressure:**	Data not available.
· **Density:**	Data not available.
· **Relative density**	Data not available.
· **Vapour density**	Data not available.
· **Evaporation rate**	Data not available.
· **Solubility in / Miscibility with water:**	Data not available
· **Partition coefficient: n-octanol/water:**	Data not available.
· **Viscosity:**	
Dynamic:	Data not available.
Kinematic at 40 degrees Celsius	>20.5mm^2/s
· **9.2 Other information**	No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No decomposition if used according to specification.
· **10.2 Chemical stability** Stable under recommended storage conditions.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** Heat, flames and sparks
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**		
108-87-2methylcyclohexane		
Oral	LD5	2250 mg/kg (mouse)
13463-67-7titanium dioxide		
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)

· **Skin corrosion/irritation:**
Causes skin irritation.

· **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:**
May cause drowsiness or dizziness.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**No further relevant information available.

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:**Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

· **12.7 Additional ecological information:**

· **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number	
· ADR/RID/ADN, IMDG, IATA	UN1993
· 14.2 UN proper shipping name	
· ADR/RID/ADN	FLAMMABLE LIQUID, N.O.S. mixture, ENVIRONMENTALLY HAZARDOUS
· IMDG	FLAMMABLE LIQUID, N.O.S. mixture, MARINE POLLUTANT
· IATA	FLAMMABLE LIQUID, N.O.S. mixture
· 14.3 Transport hazard class(es)	
· ADR/RID/ADN, IMDG	
· Class	3 Flammable liquids.
· Label	3
· IATA	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR/RID/ADN, IMDG, IATA	II
· 14.5 Environmental hazards	Product contains environmentally hazardous substances:methylcyclohexane
· Marine pollutant:	Symbol (fish and tree)
· Special marking (ADR/RID/ADN):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Danger code (Kemler):	33
· EMS Number:	F-E,S-E
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· 14.8 Transport/Additional information:	
Remarks:	Special marking with the symbol (fish and tree)
· ADR/RID/ADN	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code:E2

	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500ml
· Transport category	2
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. MIXTURE, ENVIRONMENTALLY HAZARDOUS, 3, II, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

· MAK (German Maximum Workplace Concerntration		
13463-67-7	titanium dioxide	3A

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

· Qualifying quantity (tonnes) for the application of lower-tier requirements200 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements500 t

· National regulations:

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· Other regulations, limitations and prohibitive regulations

· SVHC Candidate List of REACH Regulation Annex XIV Authorisation (12/1/2017)
None of the ingredients is listed.

· REACH Regulation Annex XVII Restriction (13/6/2017) **See Section 16 for information about restriction of use.**
None of the ingredients is listed.

· REACH Regulation Annex XIV Authorization List (13/6/2017)
None of the ingredients is listed.

· 15.2 Chemical safety assessment:A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· **Relevant hazard statements**

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008	
Flammable liquid	Bridging principles
Skin corrosion/irritation Specific target organ toxicity-single exposure Hazardous to the aquatic environment-chronic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation(EC) No 1272/2008

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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

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· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Skin Irrit. 2: Skin corrosion/irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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