

Safety Data Sheet

J. Burrows Workable Fixative Spray

Revision: Number 2
Date 10 October 2016

SECTION 1 Product & Supplier Identification

Product Name Workable Fixative Spray
Other Names None
Product Code
Barcode Number
Recommended Use Art and Craft.
Restrictions on Use None known
Company Educational Colours Pty Ltd
ABN 61 005 708 967
Address 2/43 Burgess Road, Bayswater, VIC, Australia 3153
Telephone +61 3 9729 0788
Supplier Code JBSWF400
Emergency Phone Number Australia – 13 11 26 (Poisons Information Centre)

SECTION 2 Hazards Identification

Classification of the hazardous chemical

This product is classified as hazardous under WHS Regulations. This product is classified as a Dangerous Good by the Australian Dangerous Goods Code.

Physical hazards	Flammable Aerosols	Category 1
Health hazards	Carcinogenicity	Category 2
Environmental hazards	Not classified	

Label elements, including precautionary statements

Hazard symbols



Flame



Gas Cylinder



Health Hazard

Signal word Danger

Hazard Statements Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
H222 Extremely flammable aerosol.
H280 Contains gas under pressure, may explode if heated.
H351 Suspected of causing cancer.

Precautionary statements

Prevention	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.
	P211	Do not spray on an open flame or other ignition source.
	P260	Do not breathing dust/fumes/gas/mist/vapours/spray.
	P271	Use only in well ventilated area.
	P312	Call a POISON CENTRE/doctor if you feel unwell.
Response	P305	IF IN EYES: Irrigate with copious quantities of water for atleast 15 minutes, lifting eyelids occasionally. If irritation persists seek medical attention.
	P302	IF ON SKIN: Remove contaminated clothing and wash thoroughly.
	P301+P331	IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting.
Storage	P251	Pressurized container: Do not pierce or burn, even after use.
	P210	Keep away from heat/sparks/open flames/hot surfaces – NO Smoking.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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SECTION 3 Ingredient Composition / Information

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion (to 100%)</u>
Dichloromethane	75-09-2	10 – 30%
Hydrocarbon propellant		30 – 60%
- Propane	74-98-6	
- Butane	106-97-8	
Other ingredients		to 100%

SECTION 4 First Aid Measures

Description of necessary first aid measures

Inhalation	Remove affected person to fresh air to prevent further exposure. Propane is an asphyxiant. If breathing difficulties are experienced, seek immediate medical care. Do not use direct mouth to mouth method of resuscitation, use alternative respiratory method.
Skin	Remove contaminated clothing and shoes and wash skin well with warm soapy water. If irritation persists seek medical attention.
Eye	Irrigate with copious quantities of water for atleast 15 minutes, lifting eyelids occasionally. If symptoms persist seek medical attention.
Swallowed	Due to high volatility of product, this is not likely to occur. If sprayed in mouth, rinse mouth with plenty of water. If swallowed do NOT induce vomiting. Seek medical attention.

Personal protection for first aid responders

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

SECTION 5 Fire Fighting Measures

Extinguishing equipment

Suitable	Small Fire: Water spray/fog/foam, dry chemical powder or carbon dioxide. Large Fire: Water spray/fog/foam. When choosing extinguishing equipment be aware of any potential hazard(s), example electrical.
Unsuitable	Anything that could spread the fire and or risk the safety of surrounding personnel.

Specific hazards arising from the chemical

Aerosols may rupture and rocket (become projectiles) when exposed to excessive heat. Released gases can form extremely flammable, invisible, odourless and explosive mixtures with air. Released gases can be heavier than air and travel to source of ignition causing flashback. Hazardous concentrations can accumulate in a confined space (pits, low laying areas). Fire can produce irritating, poisonous and corrosive gases. High concentration of gas could cause dizziness or asphyxiation without warning.

Specific protective equipment and precautions for fire fighters

For large quantities, consider initial evacuation for at least 100m in all directions.
Fight fire from protected position or use unmanned hose holders or monitor nozzles.
Use spark proof tools and explosion proof equipment.
Self-contained breathing apparatus (SCBA) and full protective clothing (PPE). If large amounts are involved, wear SCBA and chemical splash suit.

Hazchem Code	2YE Class 2 Flammable Gas
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General fire hazards If impossible to safely extinguish fire, protect surroundings, withdraw from area and allow fire to burn. If safe to do so, move undamaged aerosols from fire area but do not approach hot aerosols. Cool aerosols with water before handling.

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SECTION 6

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Spill is flammable (until LPG dissipates). Eliminate all sources of ignition, including static discharge. Keep unnecessary personnel away and upwind of spill / leak. Wear appropriate protective equipment and clothing during clean up. Contain spill to prevent contamination to drains / water ways. Local authorities should be contacted if spill cannot be contained. Heed advice under Section 8 "Personal Protection".

Major Fire – Consider initial evacuation for at least 100m in all directions.

Notify authorities (Fire brigade, Police (000)) of location, material, UN Number (refer Section 14 "Transport Information"), quantity and emergency contact as well as condition and damage observed.

For emergency responders

Spill is flammable (until LPG dissipates). Eliminate all sources of ignition, including static discharge. Keep unnecessary people away. Heed advice under Section 8 "Personal Protection".

Major Fire – Consider initial evacuation for at least 100m in all directions.

Notify authorities (Fire brigade, Police (000)) of location, material, UN Number (refer Section 14 "Transport Information"), quantity and emergency contact as well as condition and damage observed.

If water is available, spray leaking containers to reduce ignition hazard and disperse gas. Isolate area until gas has dispersed. Ventilate area. Avoid release to the environment.

Environmental precautions

Avoid discharge to drains, water ways or onto the ground. Absorb spill with inert material, e.g. dry sand or earth and dispose of in accordance with local regulations.

Methods and materials for containment and clean up

Large spills Stop flow of material, if safe to do so. Isolate spill or leak for at least 8m in all directions. Eliminate all sources of ignition within at least 15m. Keep up wind or to higher ground (propellant gas is heavier than air and will seek low points, pay special attention to drains and pits as these will likely be explosive environments). Keep leaking containers away from drains / water ways and remove all sources of ignitions, including static within at least 15m. All equipment used when handling the product must be earthed. Absorb spill with inert material, e.g. dry sand or earth and dispose of in accordance with local regulations.

Small spills Keep area well ventilated. Wipe up.

Major Fire – Consider initial evacuation for at least 100m in all directions.

Notify authorities (Fire brigade, Police (000)) of location, material, UN Number (refer Section 14 "Transport Information"), quantity and emergency contact as well as condition and damage observed.

If water is available, spray leaking containers to reduce ignition hazard and disperse gas. Isolate area until gas has dispersed. Ventilate area. Avoid release to the environment.

SECTION 7

Handling & Storage

Precautions for safe handling

Ensure spray nozzle is always directed away from user. Do not pierce or burn can after use. Extremely flammable – Do not spray on naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Do not breathe concentrated, vapour, mist or spray. Local exhaust ventilation may be necessary to minimise excessive vapour concentration (as long as they do not introduce risk of ignition), if levels are likely to be high or in a confined space.

Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Store in a well ventilated area, away from damp or corrosive conditions. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122°F. Store in accordance with Dangerous Goods Regulations and transport in accordance with the ADG code for Dangerous Goods Class 2.1.

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SECTION 8 Exposure Controls / Personal Protection

Occupational exposure limits

There is no established TLV (Threshold Limit Value) for this product. Avoid exposure, obtain special instructions before use.

Butane – TWA (Time Weighted Average) is 800ppm / 1900mg/m³

Propane is an asphyxiant

Biological limit values

No biological exposure values noted for this product.

Appropriate engineering controls

No smoking. No flames or sources of ignition. Use in a well ventilated area. Local exhaust ventilation may be necessary to minimise excessive vapour concentration, if levels are likely to be high or in a confined space.

Individual protection measures, for example personal protective equipment (PPE)

PPE is not required under normal conditions of use.

Eye protection

Wear safety goggles when working with bulk quantities.

Skin protection

Wear impervious gloves when working with bulk quantities.

Hygiene measures

Use and maintain good industrial hygiene. Always wash hands after use. Routinely wash and maintain safety equipment and clothing. Do not eat, smoke or drink when handling this product.

SECTION 9 Physical & Chemical Properties

Appearance	Aerosol, fine clear spray.
Odour	Solvent like.
pH	Not available
Melt point / freeze point	Not available
Boiling point	-42 to 0°C (Propellant)
Flash point	-104 to -60°C (Propellant)
Evaporation rate	Not available
Flammability	Flammable
Upper/lower flammability limits	1.5% to 9.6% in air (v/v)
Vapour Pressure	Not available
Vapour Density	Not available
Solubility in water	Immiscible
Auto-ignition temperature	494°C to 600°C (Propellant)
Specific Gravity	0.58 approx.

SECTION 10 Stability & Reactivity

Chemical stability Stable under normal ambient conditions of storage and use. Avoid heat sources. Aerosol cans may explode/burst violently when subject to extremes of heat or pressure and may become projectiles.

Possibility of hazardous reactions

Explosions and fire if exposed to incompatible materials or extremes of conditions.

Conditions to avoid Heat, flames, sparks and pressure. Avoid static charge and discharge with high concentrations and in confined spaces. Avoid damp or corrosive conditions.

Incompatible materials

Can react violently with oxidising agents, chlorine, pool chlorine or nitric acids.

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Hazardous decomposition

If engulfed in fire product may give rise to the release of obnoxious fumes including oxides of carbon and nitrogen.

SECTION 11

Toxicological Information

Information on possible routes of exposure

- Inhalation** Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. May cause light headedness, dizziness and drowsiness. Excessive exposure may cause unconsciousness or even death, due to asphyxiation.
- Skin contact** May cause cold burn. Irritating to skin.
- Eye contact** Liquid may cause severe damage. Vapour may cause irritation.
- Ingestion** Unlikely due to high volatility of product, but is harmful, may cause lung damage if swallowed.

Symptoms related to exposure

Vapours may cause light-headedness, drowsiness and dizziness.

SECTION 12

Ecological Information

The information provided is based on data available for the material and the components of the material.

Ecotoxicity / Persistence and degradability / Bio accumulative potential / Mobility

Propellant will vaporise rapidly when released to atmosphere. Propellant consists of hydrocarbons that photo chemically decompose under atmospheric conditions.

SECTION 13

Disposal Considerations

Disposal methods Dispose of this product and any water contaminated with this product in accordance with local regulations.

Contaminated packaging

Do not pierce or burn the can. Containers can be disposed of in the normal household waste stream. Recycle empty can.

SECTION 14

Transport Information

Transport in accordance with ADG Code.

UN Number	1950
Proper Shipping Name (ADG 7, IMDG)	AEROSOLS
Proper Shipping Name (IATA)	AEROSOLS, FLAMMABLE
Emergency Procedure Guide	2D1
Class and Subsidiary Risk(s)	2.1
Packaging Group	None allocated
Hazchem Code	2YE

Special Precautions

Keep out of reach of children. Spray in well ventilated area. Keep away from sources of ignition – No smoking. Extremely flammable – Do not spray on a naked flame or any incandescent material. Aspiration hazard – avoid inhalation and ingestion of product.

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SECTION 15**Regulatory Information**

Poisons Schedule Not applicable

Additional Information Not applicable

SECTION 16**Other Information**

Reason for Revision : Review and update information in accordance with GHS requirements.

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END MSDS

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