

Safety Data Sheet

in accordance with HSNO

Printing date 23.03.2023

Revised On: 23.03.2023

1 Identification of the substance or mixture and of the supplier

Trade name: UNIVERSAL WATER BLEND COATING

Article number: 0000160393

Product category: PC9a Paints and coatings.

Process category: PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

Application of the substance / the mixture: Painting and coating.

Uses advised against: Any that differs from the recommended use.

Manufacturer/Supplier: Import Distribution t/a Formula
60B Cryers Road
East Tamaki, Auckland 2013
New Zealand
telephone: 09 273 3600
website: www.formula.co.nz
email: sales@formula.co.nz

Emergency telephone number: NZ Poison Centre
telephone: 0800 764 766

2 Hazards identification

Classification of the substance or mixture

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

Additional information:

Hazard pictograms



GHS02

Signal word

Danger

Hazard statements

Extremely flammable aerosol. Pressurized container: may burst if heated.

Precautionary statements

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

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

3 Composition/Information on ingredients

Chemical characterisation: Mixtures

Classification according to HSNO Act 1996---2.1.2A Flammable Aerosols

Description:

Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 115-10-6	dimethyl ether	Flam. Gas 1A, H220; Press. Gas C, H280; Acute Tox. 2, H330	25-50%
EINECS: 204-065-8			

4 First aid measures

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Generally the product does not irritate the skin.

After eye contact:

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

After swallowing:

Do not induce vomiting; call for medical help immediately.

Information for doctor:

Most important symptoms and effects, both acute and delayed

Dizziness

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire fighting measures

Extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray.

Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Protective equipment:

Mount respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Environmental precautions:

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

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Methods and material for containment and cleaning up: Absorb liquid components with liquid-binding material.

7 Handling and storage

Precautions for safe handling Use only in well ventilated areas.
Fire/explosion protection: Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
 Do not spray onto a naked flame or any incandescent material.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Suitable material for receptacles and pipes: steel or stainless steel.

Information about storage in one common storage facility: Not available.

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

8 Exposure controls/personal protection

Ingredients with limit values that require monitoring at the workplace:

115-10-6 dimethyl ether

WES	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
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Exposure controls

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
 Do not eat or drink while working.

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:

Neoprene gloves

Eye protection:

The glove material has to be impermeable and resistant to the product.
 Tightly sealed goggles

9 Physical and chemical properties

Appearance: Aerosol.
Form: Not determined.
Odour: Aromatic
Odour threshold: Not determined.
pH-value: Not determined.
Melting point/freezing point: Undetermined.
Initial boiling point and boiling range: -24.9 °C (-12.8 °F)
Flash point: -19 °C (-2.2 °F)
Flammability (solid, gas):
Ignition temperature: 235 °C (455 °F)
Decomposition temperature: Not determined.
Auto-ignition temperature: Product is not selfigniting.
Explosive properties: In use, may form flammable/explosive vapour-air mixture.
Lower: 3 Vol %
Upper: 18.6 Vol %
Vapour pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)
Density at 20 °C (68 °F): 0.8 g/cm³ (6.7 lbs/gal)
Relative density Not determined.
Vapour density Not determined.
Evaporation rate Not applicable.
Solubility: Fully miscible.
Partition coefficient: n-octanol/water: Not determined.
Viscosity: Not determined.
Dynamic: Not determined.
Kinematic: Not determined.
Water: 60.9 %
Other information No further relevant information available.

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions

No dangerous reactions known.

Conditions to avoid

No further relevant information available.

Incompatible materials:

No further relevant information available.

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Hazardous decomposition products:

No dangerous decomposition products known.

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11 Toxicological information

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

LD/LC50 values relevant for classification:

115-10-6 dimethyl ether

Inhalative | LC50/4 h | 308 mg/l (rat)

Skin corrosion/irritation Based on available data, the classification criteria are not met.

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 Based on available data, the classification criteria are not met.

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.

12 Ecological information

Aquatic toxicity: No further relevant information available.

Persistence and degradability The product is biodegradable after prolonged adaptation.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

UN-Number UN1950

NZS, IMDG, IATA UN1950

UN proper shipping name

NZS 1950 AEROSOLS

IMDG AEROSOLS

IATA AEROSOLS, flammable

Transport hazard class(es)

Class 2 5F Gases.

Label 2.1

IMDG, IATA

Class 2.1 Gases.

Label 2.1

Packing group

NZS, IMDG, IATA Void

Environmental hazards: Not applicable.

Special precautions for user Warning: Gases.

Hazard identification number (Kemler code): -

EMS Number: F-D,S-U

Stowage Code SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A.

For AEROSOLS with a capacity above 1 litre: Category B. For WASTE

AEROSOLS: Category C, Clear of living quarters.

SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of class 2.

For WASTE AEROSOLS:

Segregation as for the appropriate subdivision of class 2.

Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

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Transport/Additional information:

NZS
Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0
 Not permitted as Excepted Quantity

Transport category 2
Tunnel restriction code D

IMDG

Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0
 Not permitted as Excepted Quantity

UN "Model Regulation": UN 1950 AEROSOLS, 2.1

15 Regulatory information**New Zealand Inventory of Chemicals**

7732-18-5	Water
115-10-6	dimethyl ether
28262-63-7	Acrylic Resin
124-68-5	2-amino-2-methylpropanol
126-86-3	Acetylenic Glycol
107-21-1	ethanediol
27646-80-6	2-Methylamino-2-methyl-1-propanol

HSNO Approval numbers

115-10-6	dimethyl ether	HSR000995
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Directive 2012/18/EU**Named dangerous substances - ANNEX I**

None of the ingredients is listed.
 P3a FLAMMABLE AEROSOLS

Seveso category

Qualifying quantity (tonnes) for the application of lower-tier requirements

150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements

500 t

Waterhazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information

While Seymour of Sycamore has tested paints from many different manufacturers, compatability with the aerosols cannot be guaranteed. Additional labeling information and/or warnings may be required if the injected product's safety information varies from this product. Filling aerosol cans is a manufacturing process, and the manufacturer is ultimately responsible for complying with hazardous labeling standards.

Relevant phrases

H220 Extremely flammable gas.
 H280 Contains gas under pressure; may explode if heated.
 H330 Fatal if inhaled.

Department issuing SDS:

Technical Services