

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Methylated Spirits**
 Product Code: MS1 / MS5 / MS20
 Product Use: Cleaning solvent
 Restriction of use: Refer to Section 15

New Zealand Supplier: **Glasscorp Limited**
 Address: **124 Bush Road**
Albany
Auckland
New Zealand

Telephone: 09 415 6338
 Fax Number: 09 415 6339
 Website: www.glasscorp.co.nz

Emergency Telephone: 09 415 6338 or 0800 764 766 (National Poison Line)

Glasscorp date of issue: 23 April 2020

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: HSR001144

Pictograms:



Signal Word: **DANGER**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Flammable liquid and vapour.	Flam. Liq. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A

Prevention Code	Prevention Statement
P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.

P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.

Response code	Response Statement
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use CO2, dry chemical, or foam for extinction.

Storage Code	Storage Statement
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Triple rinse and dispose of according to local regulations

Section 3. Composition / Information on Ingredients

Hazardous Ingredients	Cas Number	Weight
Ethanol	64-17-5	>99%
Denatonium benzoate	3734-33-6	<0.01
Methanaminium, N-[4-[bis[4-(dimethylamino)phenyl]methylene]-2,5- cyclohexadien-1-ylidene]-N-methyl-, chloride	548-62-9	<0.01

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.
If on Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.
If Swallowed	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.
If Inhaled	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Most important symptoms and effects, both acute and delayed

Symptoms:	Refer to Section 11 for full details.
Swallowed:	Not applicable.
Inhaled:	Not applicable.
Eyes:	Causes severe eye irritation.
Skin:	Not applicable.

Advice to Doctors: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Highly flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.
Hazards from decomposition products	Oxides of carbon and nitrogen, smoke and other toxic fumes.
Suitable Extinguishing media	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder).
Precautions for firefighters and special protective clothing	Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures

Equipment and emergency procedures

Highly flammable liquid and vapour. Avoid contact with spilled material. Isolate and evacuate area. Wear personal protective equipment. Prevent entry by unnecessary or unprotected personnel. If possible, isolate or remove sources of ignition. Increase ventilation. Avoid inhalation of vapours. Slippery when spilt.

Environmental precautions

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Methods and materials for containment and cleaning up

Avoid accidents, clean up immediately. Work up wind or increase ventilation. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. Dispose of waste according to the applicable local and national regulations as detailed in Section 13.

Section 7. Handling and Storage

Precautions for safe handling:

- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.

- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical, ventilating and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.
- Wash hands thoroughly after handling.
- Wear protective clothing as detailed in Section 8.

Precautions for safe storage:

- Keep out of reach of children.
- Store in a cool, dry, well-ventilated place and out of direct sunlight.
- Store away from foodstuffs.
- Store away from sources of heat and/or ignition.
- Keep container standing upright.
- Keep containers closed when not in use - check regularly for leaks.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm	mg/m ³	STEL ppm	mg/m ³
Ethanol	1000	1880	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION

Engineering Controls:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.

Personal Protection Equipment



Eyes	Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used.
Hands and Skin	Wear nitrile rubber gloves, rubber boots, overalls and an apron.
Respiratory	Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
General	Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 9 Physical and Chemical Properties

Appearance	Clear purple Liquid
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Odour	A mild sweet odour
Odour Threshold	Not available
pH	Not available
Boiling Point	78.3°C
Melting Point	-114.1°C
Freezing Point	Not available
Flash Point	13°C
Flammability	Highly Flammable liquid
Upper and Lower Explosive Limits	3.3 – 19%
Vapour Pressure	Not available
Vapour Density	1.9
Specific Gravity	Not available
Soluble in water	Miscible in water
Partition Coefficient:	Not available
Auto-ignition Temperature	365°C
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Evaporation Rate (n-Butyl acetate = 1)	Not available
% Volatile by Volume	100
Total VOC (g/Litre)	790

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions:	None known.
Conditions to Avoid	Elevated temperatures and sources of ignition.
Incompatible Materials	Oxidising agents.
Hazardous Decomposition Products	Oxides of carbon and nitrogen, smoke and other toxic fumes.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not triggered, however swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. Acute toxicity estimate (based on ingredients): >5,000 mg/Kg bw
Dermal	Not applicable. Acute toxicity estimate (based on ingredients): >5,000 mg/Kg bw.
Inhalation	Not applicable. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 5,000 ppm gas
Eye	Causes severe eye irritation.
Skin	Not triggered however contact with skin may result in irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.

STOT/RE	Not applicable.
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Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Aquatic Toxicity Acute toxicity estimate (based on ingredients): >100 mg/L	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain harmful residue and/or fumes and vapours that are flammable. Ensure that empty packaging is allowed to dry.

Precautions or methods to avoid: This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product must be disposed as chemical waste in accordance with the local authority.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012



Road, Rail, Sea and Air Transport

UN No	1170
Class – Primary	3
Packing Group	II
Proper Shipping Name	ETHYL ALCOHOL
Marine Pollutant	NO
Special Provisions	If the product's individual container is below 1L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

EPA Approval Code: HSR001144

HSNO Classification: 3.1B, 6.4A

HSW (HS) Regulations 2017	Trigger Quantity
Certified Handlers	Not required
Location Certificate	100L(>5L), 250L(<5L), 50L open (3.1B)
Signage Trigger Quantities (Schedule 3)	250L (3.1B)
Emergency Response Plan (Schedule 5)	1000L(3.1B)
Secondary Containment (Schedule 5)	1000L(3.1B)

Tracking (Schedule 26)	Not required
Fire Extinguishers	250L = 2 x required
Restriction of use	Only for intended use.

Section 16 Other Information

Glossary

AWC	Aggregate water capacity.
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Issue Date: 23 April 2020

Review Date: 23 April 2025