

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Northane Spraying Thinners**
 Item Code: 3020
 Product Use: Spraying Thinner for 2 pack polyurethane
 Restriction of Use: Refer to Section 15

Australian Supplier: **Norglass Paints**
 Address: 59 Moxon Road
 Punchbowl NSW 2196
 Australia
 Telephone: +61 2 9708 2200
 Email: info@norglass.com.au

New Zealand Supplier: xxx
 Address: xxx
 Telephone: 0508 724687

Emergency Numbers:
Australia: 13 1126 (Poisons Information Centre)
New Zealand: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 15 November 2018 v2

Section 2. Hazards Identification

Australia:
 Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

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

EPA Approval No: Surface Coatings and Colourants (Flammable) – HSR002662

Pictograms



Flammable



Irritant



Chronic

Signal Word: DANGER

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.1E (oral)	H303	May be harmful if swallowed.	Acute Tox. 5
6.1E (dermal)	H313	May be harmful in contact with skin	Acute Tox. 5

6.1E (asp)	H304	May be fatal if swallowed and enters airways.	Asp. Tox. 1
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
6.8A	H360	May damage fertility or the unborn child	Repr. 1B
6.9B	H373	May cause damage to organs through prolonged or repeated exposure.	STOT RE 2

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P202	Do not handle until all safety precautions have been read and understood.
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/lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust, fume, gas, mist or vapours.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P362	Take off contaminated clothing and wash before re-use.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
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.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use carbon dioxide, foam or dry chemicals for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Methyl Ethyl Ketone	45-55	78-93-3
Xylene	20-30	1330-20-7
Ethyl Acetate	20-30	141-78-6

Section 4. First Aid Measures

Routes of Exposure:

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.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs: get medical advice/attention. Get medical advice if you feel unwell.
If Swallowed	Rinse mouth. DO NOT induce vomiting. If the victim is conscious give water or milk to drink to dilute the effect. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek immediate medical attention.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult or if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion:	May be harmful if swallowed.
Inhalation:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin:	May be harmful in contact with skin. Causes skin irritation.
Eye:	Causes serious eye irritation.
Chronic:	May be fatal if swallowed and enters airways. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Section 5. Fire Fighting Measures

Hazard Type	Flammable liquid vapours can explode in air if ignited.
Hazards from combustion products	None known
Suitable Extinguishing media	Extinguishing media carbon dioxide or foam.
Precautions for firefighters and special protective clothing	Wear full body protection and self-contained breathing apparatus.
HAZCHEM CODE	2YE

Section 6. Accidental Release Measures

Personal precautions:

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Extinguish all sources of ignition.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Notify authorities if product enters sewers or public waters.

Spill and Disposal procedures:

Absorb the spilt material onto sand, sawdust, earth or other absorbent material. Place in a labelled container and dispose according to Local Regulations.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.

- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Ground/bond container and receiving equipment.
- Use only outdoors or in a well-ventilated area.
- Use explosion-proof electrical/ventilating/lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe dust, fume, gas, mist or vapours.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Wear protective clothing and equipment.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up, in a well-ventilated place. Keep cool.
- Product should be stored in properly sealed containers, if at all, not used in one application.
- Keep out of reach of children.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Xylene	[1330-20-7]	50	217	-	-
Methyl ethyl ketone (bio)	[78-93-3]	150	445	300	890
Ethyl acetate (2001)	[141-78-6]	200	720	-	-

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 2017 9TH EDITION.

Engineering Controls

Use only in well ventilated areas. Spray booth recommended.
Avoid breathing solvent vapour. Ensure ventilation is adequate to maintain air concentration below exposure standards.

Personal Protection Equipment



Eyes	Wear safety goggles with side shields.
Hands and Skin	Wear chemical resistant gloves. Wear overalls and use barrier cream.
Respiratory	Wear supplied air breathing apparatus in confined areas.

Section 9 Physical and Chemical Properties

Appearance	Colourless liquid
Odour	Acetate odour
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	143°C for xylene
Melting Point	Not applicable
Freezing Point	Not applicable

Flash Point	-7°C for Methyl ethyl Ketone
Flammability	Not applicable
Upper and Lower Exposure Limits	Not applicable
Volatile Component	100%
Vapour Pressure 25°C	Not applicable
Specific Gravity	0.860
Solubilities	Insoluble
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Sources of ignition. Heat.
Incompatible Materials	None known
Hazardous Decomposition Products	None known

Section 11 Toxicological Information

Acute Effects:

Swallowed	May be harmful if swallowed.
Dermal	May be harmful in contact with skin.
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Causes skin irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	May damage fertility or the unborn child.
Germ Cell Mutagenicity	Not applicable.
Aspiration	May be fatal if swallowed and enters airways.
STOT/SE	Not applicable.
STOT/RE	Causes damage to organs through prolonged or repeated exposure.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Xylene (1330-20-7)	1590 mg/kg (mouse)	-	>27.6mg/L(Rat) Vapour
2-Butanone (78-93-3)	2737mg/kg (Rat)	-	-
Ethyl Acetate (141-78-6)	4100mg/kg(Mouse)	-	-

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	No data available
Bioaccumulation	No data available

Mobility in Soil	No data available
Other adverse effects	No data available

Individual component information (Please refer to www.epa.govt.co.nz for full details):

Xylene (1330-20-7):

Route	Species	Duration	Value LC50/EC50
Fish	Oncorhynchus mykiss Rainbow trout, donaldson trout	96 hr (static)	3.3 mg/L
Crustacean	Palaemonetes pugio (Crustacea)	48 hr	8.5mg/L
Algal	Skeletonema costatum (Algae)	72hr (static)	10mg/L
Bioaccumulative	No		
Rapidly Degradable	Yes		

Section 13. Disposal Considerations

Disposal Method: Place recovered product into an appropriate waste container for disposal through appropriate waste company or specialized landfill in accordance with local regulations. Ensure container is sealed and isolated away from ignition sources.

Precautions: Ensure waste container containing recovered product is labelled "Hazardous Waste – Flammable". If triple rinsing container, add rinsate to waste container for disposal.

Disposal methods to avoid: None known.

Section 14 Transport Information

This product is classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

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



Road and Rail Transport

UN No: 1193
 Class-primary 3
 Packing Group II
 Proper Shipping Name: ETHYL METHYL KETONE

Air Transport

UN No: 1193
 Class-primary 3
 Packing Group II
 Proper Shipping Name: ETHYL METHYL KETONE

Marine Transport

UN No: 1193
 Class-primary 3
 Packing Group II
 Proper Shipping Name: ETHYL METHYL KETONE

Limited Quantities Statement:

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

Australia:

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as a **Schedule 5** Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

New Zealand:

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

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

HSNO Classification: 3.1B, 6.1E(oral, asp), 6.3A, 6.4A, 6.8A, 6.9B

HSNO Controls:

Trigger quantities for this substance:

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	100L (>5L), 250L(<5L), 50L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L (3.1B)
Emergency Response Plan	1000L (3.1B)
Secondary Containment	1000L (3.1B)
Restriction of Use	Only use for the intended purpose.

Section 16	Other Information
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Glossary

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:**Australia:**

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. National Industrial Chemicals Notification and Assessment Scheme (NICNAS).
3. Standard for the Uniform Scheduling of Medicines and Poisons.
4. Australian Code for the Transport of Dangerous Goods by Road & Rail.
5. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
6. Workplace exposure standards for airborne contaminants, Safe work Australia.
7. American Conference of Industrial Hygienists (ACGIH).
8. Globally Harmonised System of Classification and Labelling of chemicals.

New Zealand:

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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The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the Australian Manufacturer or New Zealand distributor, if further information is required.

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