



SAFETY DATA SHEET

Issue Date July 2018

Section 1: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product identifier

Product Name NORSTIK 5 MINUTE HARDENER

Description Amber Liquid

Other means of identification

UN Number 3334 Aviation Regulated Liquid, N.O.S. (Mercaptan-terminated polymer)

Recommended use of the chemical and restrictions on use

Recommended Use

Construction of fibre reinforced equipment and fittings. Suitable for construction of recreational water craft. Corrosion resistant flooring and coatings.

Details of the supplier of the safety data sheet

Manufacturer

Norski Holdings Ltd
10 Northpoint Street
Plimmerton
Wellington 5247
New Zealand

For further information, please contact

Contact Point

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Emergency telephone number

Emergency Telephone

0800 500 341

Section 2: HAZARD(S) IDENTIFICATION

HSNO Classification

- 6.1E May be harmful in contact with skin
- 6.1E May be harmful is swallowed
- 6.4A Causes eye irritation

Signal Word: WARNING

GHS Classification

Acute toxicity: Skin Category 5
Acute toxicity: Oral Category 5
Serious Eye Damage/Eye Irritation Category 2A

SYMBOL



Hazard statements

- H303 May be harmful if swallowed
- H313 May be harmful in contact with skin
- H319 Causes serious eye irritation

Precautionary statements

Prevention

- P264 Wash hands thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.

Response

- P305 + P351 + 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.

Storage

No storage statements

Disposal

- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Name	CAS no.	Weight %
Mercaptan-terminated polymer	Trade Secret	>90
Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	<10
Other ingredients determined not to be hazardous		To 100



Section 4: FIRST AID MEASURES

Inhalation	Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration. IF THERE ARE ADVERSE REACTIONS, CONTACT A PHYSICIAN IMMEDIATELY.
Skin Contact	Wash thoroughly with soap and water. Wash clothing before reuse. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
Eye contact	IMMEDIATELY flush eyes with a directed Stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.
Ingestion	NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have patient drink several glasses of water or milk. DO NOT induce vomiting. Keep airway clear. GET MEDICAL ATTENTION IMMEDIATELY.
Treatment	None known.

Section 5: FIREFIGHTING MEASURES

Extinguishing Media	Carbon dioxide, dry chemical, Foam, Water spray
Hazardous Combustion Products	Carbon dioxide, carbon monoxide, hydrogen sulfide, sulfur dioxide, sulfur trioxide
Unusual Fire and Explosion Hazards	Water may spread fire (product floats on water).
Fire Fighting Procedures	Keep unauthorized personnel removed and upwind. Wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing.
Fire-fighting equipment	Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves). Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location

HAZCHEM: None listed

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Follow protective measures provided under Personal Protection in Section 8.
Environmental Precautions	Contain material.
Clean-up Methods	Add dry material to absorb spill (if large spill, dike to contain). Using recommended protective Equipment, pick up bulk of spill and place in containers for recovery or disposal. Flush area with water to remove residues.

Section 7: HANDLING AND STORAGE

Handling	Do not get in eyes, on skin or clothing.
Storage	Store containers in a cool, dry, ventilated, fire resistant area away from sources of ignition and incompatible materials. Do not store near resinous materials with epoxy functionality. Keep container tightly closed and properly labelled.

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Workplace Exposure Standards None established

Engineering Controls Handle product in a well ventilated area.

If product is handled in an open system, the use of process enclosures, local exhaust ventilation, and/or other engineering controls should be considered to control airborne levels to below recommended exposure limits, or below acceptable levels where there are no limits.

Personal Respiratory - Use a NIOSH approved full-face respirator with organic vapour acid gas cartridge Protection when handling this material.

A respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant use of a respirator.

Skin - Wear chemical resistant gloves such as rubber, neoprene or vinyl, and work clothing with full length sleeves.

Eye - Wear chemical safety goggles.

Other - Emergency shower and eyewash facility should be in close proximity

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Amber
Odour	Distinct
pH	Not Determined
Vapour pressure	Not Determined
Vapour density	Not Determined [Air = 1]
Boiling Point	Not Determined
Melting/Freezing Point	Not Determined
Solubility (water)	Slight (0.1 to 1%)
Specific Gravity/Density	1.15 g/cm ³ [25°C (77°F)]
Flash Point	258 °C (Cleveland Open Cup)
Flammable Limits	Not Determined
Auto-ignition	Not Determined

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions. HAZARDOUS POLYMERIZATION will not occur
Conditions to Avoid	Avoid temperatures above 300°C.
Materials to Avoid	<i>OXIDIZERS</i> <i>ACIDS</i>
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide, sulfur trioxide

Section 11: TOXICOLOGICAL INFORMATION

Potential Health effects

Inhalation **Vapours are unlikely due to physical properties.**

Ingestion **May be harmful if swallowed**

Skin **May be harmful in contact with skin**

Eye **Causes serious eye irritation**

Acute Health Effects

<u>Test</u>	<u>Species</u>	<u>Result</u>
<u>LD50 Oral</u>	<u>Rat</u>	<u>2.6 g/Kg</u>
<u>Eye Irritation</u>	<u>Rabbit</u>	<u>16.8/110</u>
<u>Skin Irritation</u>	<u>Rabbit</u>	<u>1.2/8</u>
<u>Skin Sensitization</u>	<u>guinea pig</u>	<u>Negative</u>
<u>Dermal LD50</u>	<u>Rabbit</u>	<u>>10.2 g/kg</u>
<u>Systemic Effects</u>	<u>No information available</u>	
<u>Carcinogenicity</u>	<u>No information available</u>	
<u>Mutagenicity</u>	<u>No information available</u>	

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity There is no information available on the environmental effects of this material.

Section 13: DISPOSAL CONSIDERATIONS

Disposal

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. *FOR UNUSED AND UNCONTAMINATED PRODUCT*, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator or other destruction device

Section 14: TRANSPORT INFORMATION

Air Transport

UN Number	3334
Proper Shipping name	Aviation Regulated Liquid, N.O.S. (Mercaptan-terminated polymer)
DG Class	9
Packing Group	III
HAZCHEM code	2Z
IMO/IMDG class	Not Regulated
ICAO/IATA class	9
EMS code	F – A, S – B
Marine pollutant	No

Section 15: REGULATORY INFORMATION

EPA Group Standard & HSR Number

Polymers (Subsidiary Hazard) Group Standard 2017 - HSR002644

Section 16: ANY OTHER RELEVANT INFORMATION

Revision Date

Revision Note **New Format**

Key or legend to abbreviations and acronyms used in the data safety sheet

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End of Safety Data Sheet