MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

1.1 PRODUCT NAME: CHEVALINE CHEMGLAZE

1.2 USE OF PRODUCT Waterbased polyurethane finish for use in arduous interior / exterior service areas

1.3 SUPPLIER:

Equus Industries Ltd
Sheffield Street
Riverlands Industrial Estate
Blenheim, Marlborough, New Zealand
Telephone: +64 3 578 0214
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1.4 EMERGENCY CONTACT: **National Poison Centre**
Telephone: 0800 764 766

Information about Safety Data Sheet: Telephone: +64 3 578 0214 8:00am – 6:00pm Mon – Fri

1.5 Date of Preparation: 5 December 2023

2. Hazards Identification

2.1 Statement of Hazardous Nature:
Classified as hazardous according to New Zealand Hazardous Substances (Minimum degrees of hazard) Regulations 2020.

Not classified as a Dangerous Goods under NZS 5433:2012 Transport of Dangerous foods on land.

2.2 HSNO Group Standard:
Surface Coatings and Colourants (Subsidiary Hazard).

2.3 GHS Substance Classification:

Classification GHS	Category
Skin corrosion / irritation	Cat 3
Reproductive toxicity	Cat 1

2.4

Signal Word - Danger

2.5 Hazard Statements:

H316 Causes mild skin irritation.
H360 May damage fertility or the unborn child

2.6 Prevention Statements:

P103	Read instructions before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P281	Use personal protective equipment as required.

2.7 Response Statements:

P332 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

2.8 Storage Statement

P405	Store locked up.

3. Composition/Information on Ingredients

3.1 Chemical Characterization (Mixture):

3.2 Hazardous Components:

CAS NO.	COMPONENT	CONCENTRATION (% weight)
872-50-4	N-Methyl-2-pyrrolidone	< 8.8
34590-94-8	Dipropylene glycol monomethyl ether	< 4.4
	Other Ingredients	To 100%

4. First Aid Measures

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor

4.1 After Inhalation:
Remove victim from area of 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.

4.2 After Skin Contact:
If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

4.3 After Eye Contact:
If in eyes, wash out immediately with water. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

4.4 After Ingestion:
Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

4.5 indication of immediate medical attention and special treatment needed:
Treat symptomatically.

5. Fire Fighting Measures

5.1 Suitable Extinguishing Media:
Use extinguishing media appropriate for surrounding fire.

5.2 Protective Equipment:
Wear self contained breathing apparatus and protective suit.

5.3 Specific Hazards:
Material can splatter above 100^{0}C. Dried products can burn.

5.4 Combustion Products:
Toxic fumes including oxides of carbon and oxides of nitrogen.

6. Accidental Release Measures

6.1 Preliminary Action and Precautions:

6.1.1 Use personal protective equipment.

6.1.2 Keep people away from and upwind of spill/leak.

6.1.3 Material can create slippery conditions.

6.1.4 Contain spills immediately with inert materials (e.g. sand, earth etc.)

6.1.5 Transfer liquids and solid diking material to suitable containers for recovery or disposal.

6.1.6 Keep spills and cleaning run off from entering sewers, drains and open bodies of water.

7. Handling and Storage

7.1 Handling:

7.1.1 Avoid contact with eyes, skin and clothing.

7.1.2 Wash hands thoroughly after handling.

7.1.3 Keep containers tightly closed when not in use.

7.1.4 Do not breathe vapours, mist or gas.

7.2 Storage:

7.2.1 Store in a well-ventilated space.

7.2.2 Keep containers tightly closed at all times.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:

Chemical Name	Cas	Reg	Limit
1-methyl-2-pyrrolidone		WES/TWA WES/STEL	25ppm/103mg/m^3 75ppw/309mg/m
Dipropylene glycol methyl ether		WES/TWA WES/STEL	100ppm/606mg/m^3 150ppm/909mg/m^3

8.2 Exposure Controls:

Respiratory Protection - Not generally required. Use certified respiratory protection equipment when respiratory risk cannot be avoided, particularly when spraying

Hand Protection – Protective gloves.

Eye Protection –	Goggles or safety glasses with side shields compatible with any respiratory equipment employed.
Body Protection -	Use suitable protective clothing.

8.3 Appropriate engineering controls:
Endure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. If inhalation risk exists: use with local exhaust ventilation or while wearing suitable mist respirator. Keep containers closed when not in use.

9. Physical and Chemical Properties

9.1 General Information:

Physical State/Form	Liquid
Colour	Translucent
Odour	Mild
Odour Threshold	Not Established
pH	<9.0
Melting Point/freezing point	<0^{o}C
Initial Boiling point/Range	Not Established
Flash Point	Not Established
Evaporation rate	Not Established
Flammability (solid, gas)	Not Established
Upper/Lower flammability or explosive limits	Not Applicable
Vapour pressure	Not Established
Vapour density	Not Established
Relative density	ca 1.05
Water Solubility (ies)	Dispersible
Water Solubility of ingredients	Not Established
Partition coefficient: n-octanol/water	Not Established
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Established
Viscosity	Brookfield 50rpm, 800-1600 cps @23^{o}C

10. Stability and Reactivity

10.1 Reactivity:
No information available.

10.2 Chemical Stability:
Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions:
Hazardous polymerization will not occur

10.4 Conditions to avoid:
Do not allow product to freeze. Acidic conditions will cause the polymer to precipitate out of solution.

10.5 Incompatible materials:
Incompatible with strong acids, strong oxidizing agents.

10.6 Hazardous decomposition products.
Oxides of carbon. Oxides of nitrogen.

11. Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

11.1 Ingestion:
No adverse effects expected, however, large amounts may cause nausea and vomiting.

11.2 Skin Contact:
Contact with skin may result in irritation. Components/s of this material can be absorbed through the skin with resultant toxic effects.

11.3 Eye Contact:
Maybe and eye irritant.

11.4 Inhalation:
Breathing in mists or aerosols may produce respiratory irritation.

11.5

Acute toxicity:	Oral LD50 (rat):	>10,000mg/kg
	Dermal LD50 (rabbit):	>2000mg/kg
Mutagenicity:	No evidence of mutagenic effects.	
Carcinogenicity:	No evidence of carcinogenicity effects.	
Reproductive toxicity:	May damage fertility or the unborn child.	

Under decomposition conditions, isocyanates may be generated from this product. Isocyanates can cause skin sensitisation and/or respiratory sensitisation.

12. Ecological Information

12.1 Environment Protection:
Prevent from entering sewers, drains and waterways.

12.2 Ecotoxicity:
No data available.

12.3 Persistence and degradability:
No data available.

12.4 Bioacummulative Potential:
No data available.

13. Disposal Consideration

13.1 Material:
Recommendation:
Material that cannot be used, reprocessed or recycled should be disposed of in accordance with national, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g. landfill or incineration.

13.2 Uncleaned packaging:
Recommendation:
Containers scraped clean and washed, may be recycled or re-used. Uncleaned packaging should be treated with the same precautions as the material.

14. Transport Information

14.1 Road and Rail Transport:
Not classified as Dangerous Goods under NZS 5433:2012 Transport of Dangerous Goods on land.

14.2 Marine Transport:
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods.

Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS

14.3 Air Transport:
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

15. Regulatory Information

15.1 HSNO Approval:

Approved Code:	HSR002670
HSNO Group Standard 2020:	Surface Coatings and colourants (Subsidiary Hazard)

16. Other Information

16.1 Abbreviations/Terminology:

HSNO	Hazardous substances and New Organisms Act
CAS	Chemical Abstract Service
WES	Workplace Exposure Standard (NZ Department of Business, Innovation and Employment)
TWA	Time weighted average exposure level designed to protect from the effects of long-term exposure.
STEL	Short-term Exposure Level (15 minutes)

16.3 Issue Information:

Date of Preparation:	5 December 2023
Reasons:	Update and format change
Replaces:	27 July 2018

16.4 The information contained in this Data Sheet relates only to the specific material identified. Equus Industries Ltd believes the information to be accurate and reliable as at the date of this Data Sheet. No Warranty, Guarantee or representation is expressed or implied by the Company as to the absolute correctness or completeness of any representation contained in this Data and assumes no legal responsibility in connection therewith. It can not be assumed that all acceptable safety measures are contained in this Data Sheet, or that additional measures may not be required under particular or exceptional circumstances or conditions.