MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

1.1 PRODUCT NAME: TRAXX CLEARSEAL

1.2 USE OF PRODUCT Exterior/interior sealer for cementitious surfaces for protection against oil, grease and other contaminants.

1.3 SUPPLIER:

Equus Industries Ltd
Sheffield Street
Riverlands Industrial Estate
Blenheim, Marlborough, New Zealand
Telephone: +64 3 578 0214
Fax: +64 3 578 0919
Email: adamin@equus.co.nz

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: **24 June 2020**

2. Hazards Identification

2.1 Classification:
HSNO Status:Classified as hazardous according to New Zealand Hazardous Substances (minimum degrees of hazard) Regulations 2017

2.2 DG Status:
Not classified as Dangerous Good under NZS 5433:2012 Transport of Dangerous Goods on Land

2.3 Hazard Classification:

2.3.1 Class and GHS Category:

Acute Toxicity; Skin	Cat 5
Skin corrosion/irritation	Cat 3
Serious eye damage/irritation	Cat 2
Reproductive toxicity	Cat 1
Aquatic toxicity(chronic)	Cat 4

2.3.2 HSNO Category	**Hazard Statement**
6.1E (dermal)	May be harmful in contact with skin
6.3B	Causes mild skin irritation
6.4A	Causes eye irritation
6.8A	May damage fertility or the unborn child
9.1D	Harmful to aquatic life

2.4 Pictogram

Signal Word: Danger

2.5 Prevention Statement:

P102	Keep out of reach of children.
P103	Read label before use
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment
P281	Use personal protective equipment as required

2.6 Response Statements:

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

2.7 Storage Statement:

P405	Store locked up

3. Composition/Information on Ingredients

3.1 Chemical Characterization (Preparation):

3.2 Hazardous Components:

CAS NO.	COMPONENT	CONCENTRATION (%weight)
112-34-5	2-(2-butoxyethoxy) ethanol	6.9
84-74-2	Dibutyl phthalate	<3.5
78-51-3	Tris (2-butoxyethyl) phosphate	0.4
55965-84-9	5-chloro-2methyl-4-iso-thiazolin-3-one and 2-methyl-2H-iso-thiazol-3-one	<0.002
1336-21-6	Ammonia, aqueous solution	<0.6
68938-54-5	Siloxanes and silicones, di-Me,3-hydroproxypropyl Me, ethers with polyethylene glycol mono Me-ether	0.04
-	Non-hazardous ingredients	Balance

4. First Aid Measures

4.1 After Inhalation:
Remove person to fresh air.

4.2 After Skin Contact:
Wash with plenty of water and soap as a precaution. If skin irritation develops, consult a doctor.

4.3 After Eye Contact:
Immediately rinse with plenty of water for at least 10 minutes, while holding eyelid open. Remove contact lenses, if present and easy to do. If eye irritation persists, consult a doctor.

4.4 After Ingestion:
Drink 1 or 2 glasses of water. Consult a doctor if necessary. Never give anything by mouth to an unconscious person.

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 100^0C. Dried product can burn.

5.4 Combustion Products:
Carbon monoxide, carbon dioxide,toxic fumes and smoke. May yield acrylic monomers.

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 cool well-ventilated space.

7.2.2 Keep containers tightly closed at all times.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:
No values assigned for this specific material by New Zealand Workplace Health and Safety Authority.

Substance	CAS. Number	Regulation	Limits	
			ppm	mg/m^3
Ammonium Hydroxide	1336-21-6	WES/TWA	25	17
		WES/STEL	34	24
Dibutyl phthalate	84-74-2	WES/TWA	-	5
Formaldehyde	50-00-0	WES/TWA	0.5 (8hr shift)	-

8.2 Exposure Controls:

8.2.1 Exposure Controls in the Work Place:

Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general, ventilation is inadequate.

8.2.2 Personal Protection Equipment:

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable dust/particulate filter should be used. Reference should be made to Australia/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australia/New Zealand Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. References should be made to AS/NZS 2161.1: Occupational protective gloves – Selection, use and maintenance.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial Clothing

9. Physical and Chemical Properties

9.1 General Information:

Appearance	Liquid
Colour	Clear
Odour	Slightly ammoniacal
Odour Threshold	Not established
PH	9.0 -10.0
Melting point/ freezing point	$<0^0$C
Initial Boiling Point/ Range	$>100^0$C
Flash Point	Not established
Evaporation rate	Not established
Flammability (solid,gas)	Not applicable
Upper/lower flammabilityor explosive limits	Not applicable
Vapour pressure	Not established
Vapour density	Not established
Relative density	1.02
Water Solubility (ies)	Dilutable/partially soluble
Water solubility of ingredients	2-(2-butoxyethoxy)ethanol: completely soluble Dibutyl phthalate: 0.0114g/l@25^0C
Partition coefficient:n-octanol/water	Not established
Auto-ignition temperature	Not applicable
Decomposition temperature	Not established
Viscosity	Brookfield 50rpm, 15-35 cps @23^0C

10. Stability and Reaction

10.1 General Information:
This product is stable and no hazardous reactions are known.

10.2 Conditions to Avoid:
There are no known conditions which should be avoided.

10.3 Material to Avoid:
There are no known materials which are incompatible with this product.

10.4 Hazardous Decomposition Products:
None expected when material properly handled and stored. For thermal decomposition see Section 5.

11. Toxicological Information

11.1 General Information:
No specific data is available for this material.

11.2 Skin Contact:
Prolonged or consistent skin contact may result in allergic dermatitis. May also cause sensitisation.

11.3 Eye Contact:
May cause irritation including redness and tear formation.

11.4 Ingestion:
May cause gastrointestinal discomfort. Symptoms may include nausea, vomiting, lethargy or diarrhoea.

11.5 Inhalation:
Inhalation may cause a slight irritation to the respiratory tract.

12. Ecological Information

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

12.2 Ecotoxicity:
No product specific data available.

12.3 Persistence and degradability:
No product specific data available.

12.4 Bioacummulative Potential:
No product specific data available.

13. Disposal Consideration

13.1 Material:
Dispose of according to regulation by incineration in a special waste incinerator or landfill at a permitted facility in accordance with local/national regulations.

14. Transport Information

14.1 Not regulated under NZS 5433 for land transport

14.2 **Sea Transport:** (IMO/IMDG): Not regulated.

14.3 **Air Transport: (**IATA/ICAO): Not regulated.

15. Regulatory Information

15.1 **HSNO Approval:**

Approved Code:	HSR 002670
HSNO Group Standard:	Surface Coatings and Colourants (Subsidiary Hazard)

15.2 **HSNO Controls:**

Approved Handler	Not Required

16. Other Information

16.1 **Hazard Classifications**

6.1E(dermal)	Substances that are acutely toxic
6.3B	Substances that are contact sensitisers
6.4A	Substances that are suspected human reproductive or developmental toxicants
6.8A	Substances that are known or presumed human reproductive or developmental toxicants
9.1D	Substances that are slightly harmful to the aquatic environment or otherwise designed for biocidal actions

16.2 **Abbreviations/Terminology**

HSNO	Hazardous substances and New Organisms Act
CAS	Chemical Abstract Service
WES	Workplace Exposure Standard (Worksafe NZ)
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:	24 June 2020
Reasons:	Update and format change
Replaces:	1 July 2007

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 cannot 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.