

## Material Safety Data Sheet Australian Format

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### 1 Chemical Product and Company Identification:

Product Details:

Product Name: Traction Guard PLUS (manufactured as Traction Clean)

Product Use: Cleaner, Degreaser, Slip Resistance Enhancer

Manufacturer:  
Perma Incorporated  
605 Springs Road  
Bedford, Massachusetts USA 01730-1195  
Telephone 1-978-667-5161

Distributor:  
Grip Guard Pty Ltd  
35 Mereweather Avenue  
Frankston VIC 3199  
Telephone: 1300 304747

Informing Department: Perma Safety Department

Emergency Information: 1-800-255-3924 or Poison Center

### Hazard Ratings

Flammability	0
Toxicity	0
Body Contact	2
Reactivity	0
Chronic	0

### 2 Hazards Identification:

Statement of Hazardous nature

Non-Hazardous Substance. Non-dangerous Goods. According to the Criteria of NOHSC, and the ADG code.

Poisons Schedule

None

Risk

Skin contact may produce heath damage\*.

Cumulative effects may produce following exposure\*.

\* (limited evidence)

Safety

Do not breathe gas, fumes, vapor or spray.

Immediately take off contaminated clothing.

### 3 Composition Information on Ingredients:

Name	CAS RN	%
MONOETHANOLAMINE	141-43-5	< 2

## 4 First Aid Measures:

### Swallowed

If swallowed do NOT induce vomiting.

If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

### Eye

If this product comes in contact with the eyes:

Immediately hold eyelids apart and flush the eye continuously with running water.

Ensure complete irrigation of the eye by keeping the eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower eyelids.

### Skin

If skin contact occurs:

Immediately remove all contaminated clothing, including footwear

Flush skin and hair with running water-using soap if available).

### Inhaled

If fumes or combustion products are inhaled remove from contaminated area.

Lay patient down. Keep warm and rested.

### Note to Physician

Treat symptomatically.

## 5 Fire Fighting Measures

### Extinguishing Media

There is no restriction on the type of extinguisher that can be used.

### Fire Fighting

Alert fire department telling them location and nature of hazard.

Wear breathing apparatus plus protective gloves for fire only.

### Fire Explosion Hazard

Non-combustible

Not considered to be a significant fire risk

Decomposition byproducts include carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>).

### Fire Incompatibility

Avoid contamination with strong oxidizing agents as ignition may result.

### HAZCHEM

None

### Personal Protective Equipment

Chemical splash suit.

Chemical resistant gloves.

Approved chemical resistant eyewear.

## 6 Accidental Spill Measures

### Emergency Procedures

#### Minor Spills

Slippery when spilt.  
Clean up all spills immediately.  
Avoid breathing vapors.  
Avoid contact with skin and eyes.

#### MAJOR SPILLS

Slippery when spilt.  
Minor hazard.  
Clear area of personnel.  
Alert fire department and tell them location and nature of hazard.

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

## 7 Handling and Exposure

#### Procedures for Handling

Limit all unnecessary personal contact.  
Wear protective clothing when risk of exposure occurs.

#### Suitable Container

Plastic container.  
Check that containers are clearly labeled.  
Package as recommended by the manufacturer.

#### Storage Incompatibility

Avoid storage with oxidizers and acids

#### Storage Requirements

Store in original containers  
Keep containers securely sealed.

## 8 Exposure Controls and Personal Protection

#### Exposure Controls

Source	Name				
Australia Exposure Standards		Monoethanolamine			
TWA	TWA	STEL	STEL	Peak	TWA
3 ppm	7.5 mg/m <sup>3</sup>	6 ppm	15 mg/m <sup>3</sup>	N/A	N/A

#### Personal Protection

##### Respirator

Type AK filter of sufficient capacity.

##### EYE

Safety glasses with side shields.  
Chemical goggles.

##### Hands/Feet

Neoprene gloves.  
PVC gloves.

##### Other

Overalls.  
Eyewash unit.

#### Engineering Controls

General exhaust is adequate under normal operating conditions.  
If risk of overexposure exists wear SAA approved respirator.

### 9 Physical and Chemical Properties

#### Appearance

Clear light blue liquid with detergent odor that mixes with water.

#### Physical Properties

Liquid

Mixes with water.

Molecular Weight – N/A

Melting range (°C) – N/A

Solubility in Water – Complete

pH (1% solution) – N/A

Volatile Component – N/A

Relative Vapor Density (air=1) – 2

Boiling point/Boiling Range – 100°C

Moling point/Melting Range – Not applicable

Density at 25°C – 1.11 g/cm<sup>3</sup>

pH (as supplied) – 11.5

Vapor Pressure (kPa) – N/A

Evaporation Rate – 1.0

Flash Point – N/A

Lower Explosive Limit (%) – N/A

Upper Explosive Limit (%) – N/A

Autoignition Temperature (°C) – N/A

Decomposition Temperature (°C) – N/A

State - Liquid

### 10 Chemical Stability and Reactivity Information

#### Conditions Contributing to Instability

Presence of incompatible materials.

Product is considered stable.

### 11 Toxicological Information

#### POTENTIAL HEALTH EFFECTS

##### Acute Health effects

Can be absorbed through skin.

##### Chronic Health Effects

Cumulative effects may result following exposure.

#### TOXICITY AND IRRITATION

Not available, refer to individual constituents.

#### MONOETHANOLAMINE

##### TOXICITY

Oral (rat) LD50 – 2050 mg/kg

Dermal (rat) LD50 – 1000 mg/kg

## IRRITATION

Skin (rabbit) 505 mg open – Open  
Eye (rabbit) 0.76 mg – Severe

The material may produce severe irritation to the eye causing inflammation. Repeated or prolonged exposure to infants may result in conjunctivitis.

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (non-allergic).

This form of dermatitis is often characterized by skin redness (erythema) and swelling of the epidermis.

Asthma like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.

## 12 Ecological Information

No data

## 13 Disposal Considerations

Recycle whenever possible or consult manufacturer for recycling options.  
Consult state land waste management Authority for disposal.

## 14 Transportation Information

HAAZCHEM – None

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS – UN

## 15 Regulatory Information

Poisons Schedule – None

### Regulations

MONOETHANOLAMINE (CAS: 141-43-5) is found on the following regulatory lists  
Australia Exposure Standards  
Australia High Volume Industrial Chemical List (HVICL)  
Australia Inventory of Chemical Substances ( AICS)  
Australia Poisons Schedule  
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) – Schedule 4  
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) – Schedule 5  
Australia Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP) – Schedule 6  
IMO MARPOL 73/78 (Annex II) – List of Noxious Liquid Substances carried in Bulk  
International Council of Chemical Associations (ICCA) – High Production Volume list  
OECD Representative List of High Production Volume (HPV) Chemicals

## 16 Other Information

The information herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results. Also this shall not establish a legally valid contractual relationship

Vendor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Further more, vendee assumes the risk in use of the material.

#### **Warranty**

The manufacturer warrants that products sold comply with specifications as represented and will perform satisfactorily if used according to the directions, or the manufacturer will refund or replace any unused portion thereof, for a period of one year from the date of manufacture. The manufacturer does not make any other warranty, or assume responsibility of any kind, expressed or implied regarding the effect or result of the products use; and assumes no responsibility of injury to vendee or third parties proximately caused by the material if reasonable safety procedures are not adhered to.