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## MATERIAL SAFETY DATA SHEET

MSDS 821

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### 1. Product and Company Identification

- 1.1 PRODUCT NAME:** CHEVALINE CLEARSTRIP
- 1.2 USE OF PRODUCT** Waterborne stripper for removing ingrained grime on stone and brickwork, stripping clear acrylic glazes, waterborne acrylic enamels and floor polish systems.
- 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
- 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

### 2. Hazards Identification

- 2.1 Classification:**  
Dangerous Goods – classification according to New Zealand Dangerous Goods Code.
- 2.2 Risk & Safety Phrases:**  
R20,21,22,36,37,38  
S2,36,37,46

The full text of each R & S phrases is listed in Section 16.

### 3. Composition/Information on Ingredients

- 3.1 Chemical Characterization (Preparation):**  
This product is a preparation.



### 3.2 Hazardous Ingredients:

CAS NO.	COMPONENT	CONCENTRATION %	CLASSIFICATION
111-76-2	Butyl glycol	10-30%	R20/21/22/36/38
6834-92-0	Disodium trioxosilicate	<10%	R22/34/37/41
68412-54-4	Nonylphenol ethoxylate	<10%	R20/41

3.3 Only ingredients, additives and impurities which are classified and contribute to the classification of the product are included in this section.

## 4. First Aid Measures

### 4.1 After Inhalation:

Remove person to fresh air. Allow person to rest. If not breathing, give artificial respiration. Seek medical attention immediately.

### 4.2 After Skin Contact:

Remove contaminated clothing. Rinse skin immediately with mild soap and plenty of water.

### 4.3 After Eye Contact:

Remove contact lenses, if present. Then rinse immediately, while holding eyelid open for at least 15 minutes. Seek medical attention immediately.

### 4.4 After Ingestion:

Do not induce vomiting. Seek medical attention immediately. If person fully conscious give 250ml of water.

### 4.5 Advice to Doctor:

Treat symptomatically.

## 5. Fire Fighting Measures

### 5.1 Suitable Extinguishing Media:

Water spray, foam, dry chemical, carbon dioxide.

### 5.2 Protective Equipment:

Use accepted fire fighting techniques. Wear full fire fighting protective clothing, including self contained breathing apparatus (SCBA).

### 5.3 Specific Hazards:

Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

### 5.4 Combustion Products:

Carbon monoxide, carbon dioxide, fumes and smoke.



**5.5 Precautions in Connection with Fire:**

Do not use a heavy water stream, in order to avoid the fire spreading. Apply water spray or fog to cool nearby equipment. Avoid fire fighting water entering the environment.

**6. Accidental Release Measures**

**6.1 Preliminary Action and Precautions:**

- 6.1.1 Eliminate every possible source of ignition.
- 6.1.2 Evacuate all personnel immediately and ventilate area.
- 6.1.3 Avoid breathing vapour and contact with skin, eyes and clothing.
- 6.1.4 Wear recommended personal protective equipment.
- 6.1.5 Shut off leaks if possible without risk.
- 6.1.6 Dike in the spilled product as much as possible with inert material.
- 6.1.7 Prevent entry of product into sewers, storm water drains and open bodies of water.
- 6.1.8 Collect the spillage in closable, suitable disposal containers.
- 6.1.9 Clean up all spills as soon as possible, using an inert absorbent material and dispose of as hazardous waste.

**7. Handling and Storage**

**7.1 Handling:**

- 7.1.1 Always provide adequate ventilation.
- 7.1.2 Avoid breathing vapour.
- 7.1.3 Avoid contact with eyes, skin and clothing.
- 7.1.4 Wash hands thoroughly after handling, especially before eating, drinking, smoking or using the toilet.
- 7.1.5 Do not cut, grind, weld, or perform similar operations on or near full or empty containers.

**7.2 Storage:**

- 7.2.1 Store in a well ventilated, fire proof place.
- 7.2.2 Store away from strong acids and strong oxidizers.
- 7.2.3 Keep containers tightly closed at all times.



## 8. Exposure Controls and Personal Protection Equipment

### 8.1 Exposure Limits:

Butyl glycol Cas – 111-76-2 TLV/TWA (SKIN): 20ppm ( 98mg/m<sup>3</sup>)  
STEL (SKIN): 50ppm (246mg/m<sup>3</sup>)

### 8.2 Exposure Controls:

#### 8.2.1 Exposure Controls in the Work Place:

Local exhaust and general ventilation must be adequate to meet exposure limit(s).

#### 8.2.2 Personal Protection Equipment:

Respiratory Protection – Ventilation, local exhaust. CE-approved organic vapour and solvent respirator required.

Hand Protection – Use chemical resistant gloves such as PVC, neoprene or nitrile-rubber gloves.

Eye Protection – Use protective chemical goggles. If exposure causes eye discomfort, use a full face respirator and shield.

Body Protection - Use protective clothing such as face shield, boots, apron and overalls.

#### 8.2.3 Additional Remarks:

Remove contaminated clothing immediately, wash skin area with soap and water, and launder clothing before reuse or dispose of properly. Wash hands before smoking or eating and do not consume food in the work area.

## 9. Physical and Chemical Properties

### 9.1 General Information:

Physical State/Form	Liquid
Colour	White
Odour	Slight ammonical
pH	12.0-12.5
Boiling Point/Range	100°C
Water Solubility/Miscibility	Miscible
Specific Gravity	1.0
VOC	158g/l

## 10. Stability and Reaction

### 10.1 General Information:

This material is stable when properly handled and stored. No hazardous reactions are known.

### 10.2 Conditions to Avoid:

High temperatures, open flames, sparks.

### 10.3 Material to Avoid:

Strong acids and strong oxidizers.



**10.4 Hazardous Decomposition Products:**

None expected when material properly handled and stored. For combustion products see Section 5.

**11. Toxicological Information**

**11.1 General Information:**

No specific toxicity data is available for this product.

**11.2 Skin Contact:**

Brief contact may cause slight skin irritation with local redness. Repeated exposure may cause irritation. May cause more severe response on covered skin (under clothing, gloves).

**11.3 Eye Contact:**

May cause severe eye irritation. May cause moderate corneal injury. Effects may include discomfort or pain, and redness. Effects may be slow to heal. Vapour may cause eye irritation experienced as mild discomfort and redness.

**11.4 Ingestion:**

Moderate toxicity if swallowed. Small amount swallowed incidentally as a result of normal handling operations are not likely to cause injury. However, swallowing larger amounts may cause injury.

**11.5 Inhalation:**

Excessive exposure may cause irritation to the upper respiratory tract (nose and throat). Symptoms may include headaches.

**11.6 Chronic effects:**

In long term animal studies with butyl glycol, small but statistically significant increased in tumors were observed in mice but not rats. The effects are not believed to be relevant to humans. If the material is handled in accordance with proper industrial handling procedures, exposures should not pose a carcinogenic risk to man.

**12. Ecological Information**

**12.1 Environment Protection:**

Prevent product from entering drains, sewers and waterways.

**12.2 Ecotoxicity:**

Data not available.

**12.3 Persistence and degradability:**

Data not available.

**12.4 Bioaccumulative Potential:**

Data not available.



### 13. Disposal Consideration

#### 13.1 Material

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

### 14. Transport Information

#### 14.1 Land Transport:

Road: Not regulated (not dangerous for transport)

Rail: Not regulated (not dangerous for transport)

14.2 **Sea Transport:** Not regulated (not dangerous for transport)

14.3 **Air Transport:** Not regulated (not dangerous for transport)

14.4 **Postal and Courier Service:** Can be transported under normal conditions.

### 15. Regulatory Information

This product is non hazardous.

### 16. Other Information

#### 16.1 Full Text of R-Phrases Contained in Section 2:

**R20/21/22** Harmful by inhalation, in contact with skin and if swallowed  
**R36/37/38** Irritating to the eyes, respiratory system and skin

#### 16.2 Full Text of S-Phrases Contained in Section 2:

**S2** Keep out of the reach of children  
**S36/37** Wear suitable protective clothing, and gloves  
**S46** If swallowed, seek medical advice immediately and show this container or label

16.3 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.