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MATERIAL SAFETY DATA SHEET

MSDS 173

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1. Product and Company Identification

- 1.1 PRODUCT NAME:** CHEVALINE EXTERIOR VARNISH
- 1.2 USE OF PRODUCT** Durable interior/exterior varnish for all timber surfaces.
- 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:**
R10,51-53,65,
S61,62

The full text of each R & S phrases are 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
-	Synthetic resin	30-60%	R10/51-53/65
64742-82-1	Naphtha (Petroleum)	30-60%	R10/51-53/65
64742-95-6	Solvent naphtha (petroleum) Light aromatic	<1.0%	R10/37/51-53/65/66/67
64504-12-7	Lead iso-octanoate	<0.5%	R20/22/33
64741-44-2	Petroleum hydrocarbon	<0.5%	R20/22/33

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:

Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before reuse. If irritation develops, seek medical attention.

4.3 After Eye Contact:

If in the eyes flush out immediately with water for at 15 minutes, while holding eyelid open. If symptoms persist seek medical attention.

4.4 After Ingestion:

Do not induce vomiting. Rinse mouth with water. Allow affected person to rest. Seek medical attention immediately.

4.5 Advice to Doctor:

Treat symptomatically.

5. Fire Fighting Measures

5.1 Suitable Extinguishing Media:

Use dry chemical or foam.

5.2 Protective Equipment:

Use self contained breathing apparatus operated in positive pressure mode when in close proximity to fire, and wear full body protective clothing.

5.3 Specific Hazards:

This product is flammable. Vapours are heavier than air and will travel to low level areas (eg. sumps, drains, etc.) and flashback. Precautions should be taken to eliminate the build up of explosive mixtures.



5.4 Combustion Products:

Carbon dioxide, carbon monoxide, toxic fumes and smoke.

5.5 Precautions in Connection with Fire:

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

7.1.3 Avoid contact with eyes, skin and clothing.

7.1.4 Use special care to avoid static electric discharges.

7.1.5 Wash hands thoroughly after handling, especially before eating, drinking, smoking or using the toilet.

7.1.6 Do not use near welding operations, flames, hot surfaces or other ignition sources.

7.2 Storage:

7.2.1 Store in a well ventilated, fire proof place.

7.2.2 Store away from sources of ignition, (ie sparks, open flames, heat etc.)



7.2.3 Store away from strong oxidizing agents.

7.2.4 Keep containers tightly closed at all times.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:

Solvent naphtha (petroleum)	Cas – 64742-95-6	TLV/TWA (ACGIH): 19ppm (100mg/m ³) STEL (ACGIH): 50ppm (250mg/m ³)
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Naphtha (petroleum)	Cas – 64742-82-1	TLV/TWA (ACGIH): 61ppm (350mg/m ³)
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8.2 Exposure Controls:

8.2.1 Exposure Controls in the Work Place:

Ensure adequate ventilation at all times to maintain exposure levels below exposure limits set for the solvents.

8.2.2 Personal Protection Equipment:

Respiratory Protection – Use Approved respirator with replaceable organic vapour filter. Reference should be made to Australian standards AS/HZS 1715. Use and maintenance of respiratory protection devices and AS/HZS 1716 Respiratory Protection Devices, in order to make any necessary changes for individual circumstances.

Hand Protection – Use PVC, neoprene or nitril-rubber gloves.

Eye Protection – Use protective goggles.

Body Protection – Long sleeved overalls.

9. Physical and Chemical Properties

9.1 General Information:

Physical State/Form	Liquid
Colour	Clear
Odour	Hydrocarbon/acrylic solvent
Flash Point	36°C (closed cup)
Water Solubility/Miscibility	Negligible.
Specific Gravity	0.93
VOC	370 g/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:

Open flames, sparks and heat.



10.3 Material to Avoid:
Strong acids, alkalis, reducing agents and oxidizing agents.

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 toxicity data is available for this product

11.2 Skin Contact:
May cause redness, itching and irritation.

11.3 Eye Contact:
May cause eye irritation, tearing, stinging, blurred vision, and redness.

11.4 Ingestion:
Harmful: may cause lung damage if swallowed. Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Aspiration into the lungs may result in chemical pneumonitis.

11.5 Inhalation:
Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Can produce headache, nausea and/or effect of intoxication.

11.6 Chronic Effects:
Prolonged or repeated skin contact may cause defatting leading to dermatitis.

12. Ecological Information

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

12.2 Ecotoxicity:
Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

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: Flammable liquid. (Class: 3, GP III, HAZ CHEM 3Y)

Rail: Flammable liquid. (Class: 3, GP III, HAZ CHEM 3Y)

14.2 **Sea Transport:** Flammable liquid. (Class: 3.3, GP III, HAZ CHEM 3Y) Marine Pollutant.

14.3 **Air Transport:** Flammable liquid. (Class: 3, GP III, HAZ CHEM 3Y)

14.4 **Postal and Courier Service:** This product cannot be transported.

15. Regulatory Information

This product is hazardous and flammable.

16. Other Information

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

R10 Flammable

R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

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

S61 Avoid release to the environment. Refer to special instruction/safety data sheet.

S62 If swallowed, do not induce vomiting; 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.