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MATERIAL SAFETY DATA SHEET

MSDS 622

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1. Product and Company Identification

- 1.1 PRODUCT NAME:** DUO KIT
- 1.2 USE OF PRODUCT** Sealant.
- 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 5780214 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:**
R40,52,53
S23,36,37

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
79-01-06	Trichlorethylene	10-15%	R40/52/53



- 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. Seek medical attention if symptoms develop.
- 4.2 After Skin Contact:**
Wipe product from skin with paper towel or cloth. Wash skin immediately with mild soap and plenty of water.
- 4.3 After Eye Contact:**
Rinse immediately, while holding eyelid open for at least 15 minutes. Seek medical attention.
- 4.4 After Ingestion:**
Do not induce vomiting. Seek medical attention immediately.
- 4.5 Advice to Doctor:**
Treat symptomatically.

5. Fire Fighting Measures

- 5.1 Suitable Extinguishing Media:**
Foam, dry chemical powder.
- 5.2 Protective Equipment:**
Use self contained breathing apparatus when in close proximity to fire, and wear full body protective clothing.
- 5.3 Specific Hazards:**
When burned in big quantities, a complex mixture of organic and non-organic gases exists.
- 5.4 Combustion Products:**
Carbon monoxide, carbon dioxide, fumes, smoke and oxides of sulphur can form.
- 5.5 Precautions in Connection with Fire:**
Do not use a heavy water spray.

6. Accidental Release Measures

- 6.1 Preliminary Action and Precautions:**
- 6.1.1** Avoid breathing vapour and contact with skin, eyes and clothing.
- 6.1.2** Wear recommended personal protective equipment.
- 6.1.3** Prevent entry of product into sewers, storm water drains and open bodies of water.
- 6.1.4** Collect the spillage into suitable, open top containers and allow product to cure before disposal.



6.1.5 Dispose of as detailed in section 13.

7. Handling and Storage

7.1 Handling:

7.1.1 Always provide adequate ventilation.

7.1.2 Avoid contact with eyes, skin and clothing.

7.1.3 Wash hands thoroughly after handling, especially before eating, drinking, and using the toilet.

7.1.4 Do not eat or drink whilst using this product.

7.1.5 Avoid inhalation of vapours.

7.1.6 Avoid excessive heat, flames and sparks.

7.2 Storage:

7.2.1 Store in a cool, well ventilated place.

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

7.2.3 Keep containers tightly closed at all times.

7.2.4 Keep packaging dry at all times.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:

No values assigned for this specific material.

8.2 Exposure Controls:

8.2.1 Exposure Controls in the Work Place:

Use local ventilation source.

8.2.2 Personal Protection Equipment

Respiratory Protection – Not required under normal conditions of use. However, wear appropriate, properly fitted NIOSH/MSHA, approved respirator in poorly ventilated, or confined areas as a precaution.

Hand Protection – Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure

Eye Protection – Use protective goggles and/or face shield if necessary.

Skin/Body Protection - Wear suitable protective clothing/overalls and safety shoes. Wash hands before eating, drinking or using the toilet.



9. Physical and Chemical Properties

9.1 General Information:	
Physical State/Form	Semi-solid at room temperature
Colour	Black
Odour	Characteristic
Density	1.380 g/cc. at 15°C
Flash Point	240°C
Water Solubility/Miscibility	Negligible.

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:**
Excessive heat, flames and sparks.
- 10.3 Material to Avoid:**
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 Acute toxicity:**
No specific data available.
- 11.3 Skin Contact:**
May cause slight irritation.
- 11.4 Eye Contact:**
May cause slight irritation.
- 11.5 Ingestion:**
Minimal toxicity.
- 11.6 Inhalation:**
May cause slight irritation to the respiratory system.



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:**
Slow biodegradation.
- 12.4 Bioaccumulative Potential:**
Data not available.
- 12.5 Mobility:**
Sinks in water.

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: Trichloroethylene. (Class: 6.1, UN 1710, GP III, HAZ CHEM 2Z)
- Rail: Trichloroethylene. (Class: 6.1, UN1710, GP III, HAZ CHEM 2Z)
- 14.2 Sea Transport:** Trichloroethylene. (Class: 6.1, UN1710, GP III, HAZ CHEM 2Z)
Marine Pollutant.
- 14.3 Air Transport:** Trichloroethylene. (Class: 6.1, UN1710, GP III, HAZ CHEM 2Z)
- 14.4 Postal and Courier Service:** Cannot be transported under normal conditions.

15. Regulatory Information

This product is hazardous.

16. Other Information

- 16.1 Full Text of R-Phrases Contained in Section 2:**
- R40** Possible risk of cancer
- R52/53** Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.



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

S23 Do not breathe gas/fumes/vapour/spray
S36/37 Wear protective clothing and gloves

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.