



PRINT DATE: 1/07/07

Version 1.0
REVISION DATE: 1/07/07

MATERIAL SAFETY DATA SHEET

MSDS 612

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1. Product and Company Identification

- 1.1 PRODUCT NAME:** DYMONIC NT
- 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 3 578 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:**
R10,20,21,36,37,38,42,43
S23,24,38,45

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
1330-20-7	Xylene	5-10%	R10/20/21/38
101-68-8	Diphenylmethane-4,4-diisocyanate	<0.5%	R20/36/37/38/42/43
9016-87-9	Diphenylmethane diisocyanate	<0.1%	R20/36/37/38/42

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

Get medical attention for any significant over exposure.

4.1 After Inhalation:

Leave area to breathe fresh air. Avoid further over exposure. If symptoms persist, seek medical attention.

4.2 After Skin Contact:

Wash area of contact thoroughly with soap and water. Remove any contaminated clothing immediately. If irritation, rash or other disorders develop, seek medical attention.

4.3 After Eye Contact:

Flush with water for at least 15 minutes while holding eye lids apart and seek medical attention.

4.4 After Ingestion:

Get medical attention immediately. Do not induce vomiting unless advised by a doctor.

4.5 Advice to Doctor:

Treat symptomatically.

5. Fire Fighting Measures

5.1 Suitable Extinguishing Media:

Use water spray, fog or mist, foam, carbon dioxide or dry powder. Do not use water jet.

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:

If material is contaminated with water, containers must be vented. Reacts with water forming carbon dioxide which may cause pressure to rise in a sealed container.

5.4 Combustion Products:



Carbon monoxide, carbon dioxide, smoke, fumes and oxides of nitrogen.

6. Accidental Release Measures

6.1 Preliminary Action and Precautions:

- 6.1.1 Avoid contact with water. If material is contaminated with water containers must be vented.
- 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 in 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 Prevent contact with skin, eyes and clothing.
- 7.1.2 Provide good ventilation.
- 7.1.3 Avoid spilling.
- 7.1.4 Keep container closed when not in use.
- 7.1.5 Clean hands thoroughly after handling.

7.2 Storage:

- 7.2.1 Store under cool, dry, well ventilated warehouse conditions.
- 7.2.2 Store away from sources of ignition, (i.e. sparks, open flames, heat etc.)
- 7.2.3 Store away from water, acids and alkalies.
- 7.2.4 Keep packaging dry at all times.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:

Xylene	Cas – 1330-20-7	TLV/TWA (ACGIH): 100ppm (435mg/m ³) STEL (ACGIH): 150ppm (650mg/m ³)
Diphenylmethane-4,4'-diisocyanate	Cas – 101-68-8	TLV/TWA (ACGIH): 0.005ppm(0.02mg/m ³) STEL (ACGIH): 0.01ppm (0.07mg/m ³)

8.2 Exposure Controls:

8.2.1 Exposure Controls in the Work Place:

All handling of the product to take place in well ventilated areas.



8.2.2 Personal Protection Equipment

Respiratory Protection – Wear appropriate, properly fitted NIOSH/MSHA, approved respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS.

Hand Protection – Use suitable impervious nitrile or neoprene gloves.

Eye Protection – Wear chemical safety goggles where eye exposure is reasonably probable.

Protective Measures - Wear appropriate clothing to prevent any possibility of skin contact.

9. Physical and Chemical Properties

9.1 General Information:

Physical State/Form	Paste
Colour	Various
Odour	Solvent
Water Solubility/Miscibility	Insoluble in water. (very soluble in organic solvent)
Relative Density	1.33 (20 ^o C)
Viscosity	~ 70,000 cps
Flash Point	>61 ^o C (Not noted)
Autoignition Temperature	<250 ^o C

10. Stability and Reaction

10.1 General Information:

This material is stable under normal temperature conditions and when properly handled and stored.

10.2 Conditions to Avoid:

Avoid heat, contact with water, acids and alkalis. Reacts with water forming carbon dioxide which may cause pressure to rise in a sealed container. Avoid dust close to ignition sources.

10.3 Material to Avoid:

Water, acids and alkalis.

10.4 Hazardous Decomposition Products:

None expected when material properly handled and stored. Thermal decomposition see section 5.

11. Toxicological Information

11.1 Acute toxicity:

Toxic dose 1 – Oral LD50: (Rat) >2000 mg/kg

11.2 Skin Contact:

Harmful in contact with skin. May cause sensitization resulting in irritation, itching and redness.

11.3 Eye Contact:

Irritating to the eyes.

11.4 Ingestion:



May cause gastrointestinal irritation.

11.5 Inhalation:

Harmful by inhalation. Inhalation of excess vapours may irritate respiratory tract. May cause sensitization by inhalation.

12. Ecological Information

12.1 Environment Protection:

Prevent product from entering drains, sewers and waterways.

12.2 Ecotoxicity:

Low toxicity to aquatic organisms.

12.3 Persistence and degradability:

Not biodegradable. Forms insoluble polymers, limiting mobility.

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 hazardous.



16. Other Information

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

- R10** Flammable
- R20/21** Harmful by inhalation and in contact with skin.
- R36/37/38** Irritating to the eyes, respiratory system and skin
- R42/43** May cause sensitization by inhalation and skin contact

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

- S23** Do not breathe gas/fumes/vapour/spray
- S24** Avoid contact with skin
- S38** In case of insufficient ventilation, wear suitable respiratory equipment
- S45** In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

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.