



PRINT DATE: 1/07/07

Version 1.0
REVISION DATE: 1/07/07

MATERIAL SAFETY DATA SHEET

MSDS 582

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1. Product and Company Identification

- 1.1 PRODUCT NAME:** ADEKA ULTRA SEAL P201
- 1.2 USE OF PRODUCT** Waterstop for construction use.
- 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:**
R36,37,38,40,42,43,66
S24,25

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
64742-48-9	Hydrotreated heavy naphtha	10-15%	R10/65/66/67
26471-62-5	Toluene diisocyanate	<0.1%	R26/36/37/38/40/42/43
101-68-8	Diphenylmethane diisocyanate	<0.1%	R20/22/36/37/38/42
4083-64-1	Tosyl-isocyanate	<0.1%	R14/36/37/38/42

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

4.1 After Inhalation:

Move to fresh air. In case of irritation to the respiratory tract, mucous membranes, or in case of prolonged exposure, seek medical attention.

4.2 After Skin Contact:

Wash off immediately with plenty of soap and water. Take off all contaminated clothing immediately. Seek medical advice if irritation develops.

4.3 After Eye Contact:

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

4.4 After Ingestion:

Seek 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:

Carbon dioxide, dry chemical, foam or water spray.

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:

Dense smoke emitted when burned without sufficient oxygen.

5.4 Combustion Products:

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



6. Accidental Release Measures

6.1 Preliminary Action and Precautions:

- 6.1.1 Eliminate every possible source of ignition.
- 6.1.2 Avoid breathing vapour and contact with skin, eyes and clothing.
- 6.1.3 Wear recommended personal protective equipment.
- 6.1.4 Prevent entry of product into sewers, storm water drains and open bodies of water.
- 6.1.5 Scrape up the spillage into suitable, disposal containers.
- 6.1.6 Leave containers open for product to cure before disposal.
- 6.1.7 Clean up all spills as soon as possible, using paper towels or suitable absorbent material. Allow to cure before disposal.

7. Handling and Storage

7.1 Handling:

- 7.1.1 Prevent inhalation of vapour, ingestion and contact with skin, eyes and clothing.
- 7.1.2 Avoid contact with moisture prior to use. Material will cure in contact with moisture.
- 7.1.3 Clean hands thoroughly after handling.

7.2 Storage:

- 7.2.1 Store in a cool place.
- 7.2.2 Avoid contact with water and moisture absorption.
- 7.2.3 Store away from strong alkalis, strong acids, peroxides, and organic solvents.
- 7.2.4 Store away from direct sunlight.

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:

Provide mechanical ventilation in confined spaces.



8.2.2 Personal Protection Equipment:

- Respiratory Protection – Use of respiratory protection in areas of poor ventilation.
- Hand Protection – Use protective gloves.
- Eye Protection – Wear appropriate eye protection. Use safety glasses if eye contact is likely.
- Body Protection - Wear protective clothing.

9. Physical and Chemical Properties

9.1 General Information:

Physical State/Form	Paste
Colour	Grey
Odour	Slight
pH	No data available
Boiling Point/Range	No data available
Melting Point	No data available
Flash Point	No data available
Flammability Limits	Not applicable
Autoignition Temperature	Not applicable
Viscosity	6000 mPas
Vapour Density	No data available
Vapour Pressure	No data available
Evaporation Rate	No data available
Water Solubility/Miscibility	Negligible
Specific Gravity	1.25 g/ml

10. Stability and Reaction

10.1 General Information:

This product is stable and no hazardous reactions are known.

10.2 Conditions to Avoid:

Moisture prior to use.

10.3 Material to Avoid:

Strong alkalis, strong acids, hazardous lights, peroxides, and organic solvents.

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 data is available for this material.

11.2 Skin Contact:

May cause skin irritation.

11.3 Eye Contact:

May cause irritation.



11.4 Ingestion:
No data available.

11.5 Inhalation:
No data available.

11.6 Chronic Effects:
Prolonged exposure to the vapour or mist may reduce the function of the lungs. Sensitizing effect on the skin may be chronic. IARC test on animals recognizes the carcinogen, but no data on the effects on humans is available.

This product includes: <0.1% TDI is on the list of NTP (b), IARC (2b).
<0.1% MDI.
<0.1% Carbon Black is on the list of IARC (2b).

Mutagenicity
This product includes: <0.1% MDI . MDI showed a mutagenic effect to a certain salmonella (TA-98, TA-100), when S-9 mix was added in Ames test.

12. Ecological Information

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

12.2 Ecotoxicity:
No data available.

12.3 Persistence and degradability:
No data available.

12.4 Bioaccumulative Potential:
No data 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: This product 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:

R36/37/38	Irritating to eyes, respiratory system and skin
R40	Possible risk of cancer
R42/43	May cause sensitization by inhalation and skin contact
R66	Repeated exposure may cause skin dryness or cracking

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

S24/25	Avoid contact with skin and eyes
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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.