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MATERIAL SAFETY DATA SHEET

MSDS 385

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1. Product and Company Identification

- 1.1 PRODUCT NAME:** AQUASEL P PRIMER
- 1.2 USE OF PRODUCT** A fast drying primer for all Aquasel membranes on all 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:**
R11,20,45,65,66,67
S9,16,23,24,33,45

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
108-88-3	Toluene	10-60%	R11/20/45/65/66
67-64-1	Acetone	10-60%	R11/36/66/67



- 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:**
Rinse immediately, while holding eyelid open for at least 15 minutes. Seek medical attention.
- 4.4 After Ingestion:**
Do not induce vomiting. Give glass of 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:**
Foam, dry chemical, carbon dioxide.
- 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:**
Product is a flammable liquid containing extremely volatile solvents. Vapours can travel great distances to potential ignition sources.
- 5.4 Combustion Products:**
Carbon monoxide, carbon dioxide, hydrogen chloride and hydrocarbons may be produced on combustion.
- 5.5 Precautions in Connection with Fire:**
Use water spray to cool storage containers exposed to fire.

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, such as clay or sand.
- 6.1.7 Prevent entry of product into sewers, storm water drains and open bodies of water.
- 6.1.8 Collect the spillage in suitable, closable containers for re-use or disposal.
- 6.1.9 Clean up all spills as soon as possible, using an inert absorbent material and dispose of as hazardous waste according to local government regulations.

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 Wash hands thoroughly after handling, especially before eating, drinking, smoking or using the toilet.
- 7.1.5 Use special care to avoid static electric discharges.

7.2 Storage:

- 7.2.1 Store in a cool, well ventilated, fire proof 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.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:

Acetone	Cas – 67-64-1	TLV/TWA (ACGIH): 500ppm
		STEL (ACGIH): 1000ppm
Toluene	Cas – 108-88-3	TLV/TWA (ACGIH): 50ppm

8.2 Exposure Controls:

8.2.1 Exposure Controls in the Work Place:

Use in well ventilated areas and ensure ventilation is adequate to maintain air concentrations below TLV's. Use local exhaust ventilation (flame proof) in enclosed areas.



8.2.2 Personal Protection Equipment

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

Hand Protection – Use PVC, neoprene or nitrile rubber gloves.

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

9. Physical and Chemical Properties

9.1 General Information:

Physical State/Form	Liquid
Colour	Slightly red tinted
Odour	Aromatic
Flash Point	- 25°C
Melting Point	Not applicable
Boiling Point	(Initial) 56°C
Vapour Pressure	100mm Hg @ 25°C
Flammability Limits	Not determined
Water Solubility/Miscibility	Insoluble
% Volatile Weight	82%
Specific Gravity	0.81 (approx)
Autoignition Temperature	Not determined
VOC	664 g/l (approx)

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 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:

Mild irritant. Skin irritant mainly due to defatting effect of solvent. Not readily absorbed through the skin.

11.3 Eye Contact:

Mild irritant. Solvent and its vapours may cause irritation to eyes.



11.4 Ingestion:
Moderately toxic. May cause chemical pneumonia if aspirated into the bronchial system.

11.5 Inhalation:
High concentration of solvent vapours can be harmful in enclosed spaces. Excessive inhalation of vapours can effect the central nervous system leading to a loss of coordination and impaired judgement. Prolonged exposure can lead to stupor or unconsciousness.

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: Flammable liquid. (Class: 3 , GP II, HAZ CHEM 3YE)
- Rail: Flammable liquid. (Class: 3 , GP II, HAZ CHEM 3YE)
- 14.2 Sea Transport:** Flammable liquid. (Class: 3.1 , GP II, HAZ CHEM 3YE)
- 14.3 Air Transport:** Flammable liquid. (Class: 3 , GP II, HAZ CHEM 3YE)
- 14.4 Postal and Courier Service:** This product cannot be transported by courier.

15. Regulatory Information

This product is hazardous and flammable.



16. Other Information

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

R11	Highly flammable
R20	Harmful by inhalation
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness

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

S9	Keep container in a well ventilated place
S16	Keep away from sources of ignition – no smoking
S23	Do not breath gas/fumes/vapour/spray
S24	Avoid contact with skin
S33	Take precautionary measures against static discharges
S45	In case of accident or if you feel unwell, seek medical advice immediately

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.