

1. Product and Company Identification

- 1.1 PRODUCT NAME:** Equus Peel and Stick Primer
- 1.2 USE OF PRODUCT** A fast drying primer for all Equus Peel and Stick membranes on most surfaces.
- 1.3 SUPPLIER:** Equus Industries Ltd
Sheffield Street
Riverlands Industrial Estate
Blenheim, Marlborough, New Zealand
Telephone: +64 3 578 0214
Email: admin@equus.co.nz
- 1.4 EMERGENCY CONTACT:** National Poison Centre
Telephone: 0800 764 766
- 1.5 DATE OF PREPARATION:** 4 July 2023

2. Hazards Identification

- 2.1 Statement of Hazardous Nature:**
Classified as hazardous according to New Zealand Hazardous substances (minimum degrees of hazard) Regulations 2020
- 2.2 HSNO Group Standard:**
Surface Coatings and Colourants (Flammable) 2020
- 2.3 Hazard Classification:**

Class and GHS Classification		Hazard Statement
Flammable liquids	Cat 2	H225: Highly flammable liquid and vapour.
Aspiration hazard	Cat 1	H304: May be fatal if swallowed and enters airways.
Skin corrosion/irritation	Cat 2	H315: Causes skin irritation.
Serious eye damage/eye irritation	Cat 2	H319: Causes serious eye irritation.
Skin sensitisation	Cat 1	H317: May cause an allergic skin reaction.
Reproductive toxicity	Cat 2	H361: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure)	Cat 3	H336: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	Cat 2	H373: May cause damage to organs through prolonged or repeated exposure
Chronic aquatic toxicity	Cat 2	H441: Very toxic to terrestrial invertebrates.

2.4



Danger:

2.5 Prevention Statements:

- P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces, No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.

2.6 Response Statements:

- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire: Use dry sand, dry chemical, or alcohol – resistant foam for extinction.
P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P333 +P313 If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 +P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P337+313 If eye irritation persists: Get medical advice/attention.
P308+313 IF exposed or concerned: Get medical advice/ attention.
P391 Collect spillage.

2.7 Storage State:

- P403+P235 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

2.8 Disposal Statement:

- P501** Dispose of contents/container to an approved waste disposal plant.

2.9 Other hazards which do not result in classification.

Toxic to aquatic life. In use, may form flammable/explosive vapor-air mixture.

3. Composition/Information on Ingredients

CAS NO.	COMPONENT	CONCENTRATION (% Weight)
108-88-3	Toluene	10-<20
67-64-1	Acetone	20-<60
110-82-7	Cyclohexane	5-<10
142-82-5	Heptane	10-<20
96-37-7	Methylcyclopentane	1-<3
111-65-9	Octane	1-<3
Proprietary	Non-Hazardous Ingredients	Balance

4. First Aid Measures

4.1 After Inhalation:

Remove person to fresh air. Allow the person to rest in a comfortable position and keep warm until recovered. If not breathing, give artificial respiration. Seek medical attention if breathing becomes difficult. Seek immediate medical advice/attention. Delayed pulmonary edema may occur.

4.2 After Skin Contact:

Remove contaminated clothing. Wash skin immediately with mild soap and plenty of warm water. Do not scrub. If swelling, redness, blistering, or irritation occurs seek medical attention.

4.3 After Eye Contact:

Rinse immediately with water, while holding eyelid open, for at least 15 minutes. Seek medical attention. Remove contact lenses if present and easy to do so.

4.4 After Ingestion:

Rinse mouth with water. Get medical advice immediately. DO NOT give anything to drink. DO NOT induce vomiting because of risk of aspiration. Never give anything by mouth to an unconscious patient. Watch for toxic effects.

4.5 Advice to Doctor:

May cause sensitisation in susceptible persons. Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

5. Fire Fighting Measures

5.1 Suitable Extinguishing Media:

Water spray, alcohol resistant foam, dry chemical, carbon dioxide. Caution: Water spray when fighting a large fire may be insufficient.

5.2 Protective Equipment:

Use self contained breathing apparatus when in close proximity to fire and wear full. Firefighting turnout gear.

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, hydrocarbons and/or a wide variety of innocuous or toxic fumes from complete or incomplete combustion of this product.

5.5 Precautions in Connection with Fire:

Use water spray to cool storage containers exposed to fire.

6. Accidental Release Measures

6.1 Small Spills:

6.1.1 Extinguish all ignition sources.

6.1.2 Avoid sparks, flames and heat.

6.1.3 Avoid accidents and clean up immediately.

6.1.4 Wear protective equipment to prevent skin and eye contamination.

- 6.1.5 Avoid inhalation of vapours.
- 6.1.6 Wipe up with absorbent (rags or paper towels).
- 6.1.7 Collect and seal in properly labelled containers or drums for disposal or recycling.
- 6.2 Large Spills:**
 - 6.2.1 Slippery when wet
 - 6.2.2 Extinguish all ignition sources
 - 6.2.3 Avoid sparks, flames, heat and the buildup of static electricity
 - 6.2.4 Consider evacuation of area and/or site.
 - 6.2.5 Alert emergency services if required.
 - 6.2.6 Avoid accidents and clean up immediately.
 - 6.2.7 Wear protective equipment to prevent skin and eye contamination.
 - 6.2.8 Avoid inhalation of vapours by wearing appropriate respirator.
 - 6.2.9 Contain spill to prevent run off into drains and waterways.
 - 6.2.10 Use absorbent (rags, soil, sand or other inert material).
 - 6.2.11 Collect using spark – free shovels (ie plastic) and seal in properly labelled containers or drums for disposal or recycling.

(See disposal section of this SDS for further details).

7. Handling and Storage

7.1 Handling:

- 7.1.1 Avoid breathing of or contact with material.
- 7.1.2 Use only in well ventilated areas.
- 7.1.3 Keep away from heat, sparks, open flames and other sources of ignition.
- 7.1.4 Static electricity must be avoided.
- 7.1.5 Wear the appropriate personal protection equipment as specified in this SDS to prevent eye and skin contact.
- 7.1.6 Wash hands thoroughly after handling.

7.2 Storage:

- 7.2.1 Store in a cool, dry, well ventilated place out of direct sunlight.
- 7.2.2 Store away from sources of ignition, (i.e. sparks, open flames, heat etc.)
- 7.2.3 Static electricity must be avoided.

- 7.2.4 Store away from strong oxidising agents.
- 7.2.5 Keep containers tightly closed at all times.
- 7.2.6 Check regularly for any leaks.

8. Exposure Controls and Personal Protection Equipment

8.1 Exposure Limits:

Chemical Name	Cas Number	Regulations	Limit ppm	Limit mg/m ³
Acetone	67-64-1	WES/TWA	500	1185
		WES/STEL	1000	2375
Heptane	142-82-5	WES/TWA	400	1640
		WES/STEL	500	2050
Toluene	108-88-3	WES/TWA	50	188
Cyclohexane	110-82-7	WES/TWA	100	350
		WES/STEL	300	1050
Octane	111-65-9	WES/TWA	300	1400
		WES/STEL	375	1750

8.2 Exposure Controls:

8.2.1 Exposure Controls in the Workplace:

Use only in well ventilated areas. Vapour is heavier than air. Prevent concentration of vapour in low lying, confined areas. Keep containers in a well-ventilated area. Employ explosion proof general and local exhaust ventilation system as required.

8.2.2 Personal Protection Equipment

Respiratory Protection:

If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable solvent cartridge filter should be used. Reference should be made to Australia/New Zealand Standards AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

8.2.3 Eye Protection:

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australia/New Zealand AS/NZS 1337 – Eye protectors for Industrial Applications.

8.2.4 Hand Protection:

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: occupational protective gloves – Selection, use and maintenance.

8.2.5 Body Protection:

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled. Industrial clothing should conform to the specification detailed in AS/NZS 2919: Industrial clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	Red
Odor	Aromatic, Solvent
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	No data available	Not applicable Insoluble in
Water		
Melting point / freezing point	No data available	None Known
Initial boiling point and boiling range	50°C	
Flash point	-22°C	
Evaporation rate Flammability	No data available	None Known
Flammability Limit in Air	No data available	None Known
Upper flammability or explosive limits	9.7	
Lower flammability or explosive limits	1.5	
Vapor pressure	No data available	None Known
Relative vapor density Relative density	No data available	None Known
Water solubility	No data available	partially soluble
Solubility(ies)	No data available	None Known
Partition coefficient	No data available	None Known
Autoignition temperature	No data available	None Known
Decomposition temperature		None Known
Kinematic viscosity	No data available	None Known
Dynamic viscosity	No data available	None Known
Explosive properties	No information available	
Oxidizing properties	No information available	
<u>Other information</u>		
Softening Point	No information available	
Molecular weight	No information available	
VOC Content (%)	65.07663	
Density	0.84	
Bulk density	No information available	
Particle characteristics		

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:

Heat, flames, sparks and any other source of ignition.

10.3 Material to Avoid:

Strong oxidizing agents, strong acids, strong bases.

10.4 Hazardous Decomposition Products:

Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide, hydrogen chloride and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. Toxicological Information

11.1 Information given in this Safety Data Sheet is based on the data on the components and the toxicology of similar products.

11.2 Toxicological Data on Components:

Toluene		108-88-33
Oral	LD50 Rat:	5580mg/kg
Inhalation	LC50 Rat:	>20mg/l/4hr
Dermal	LD50 Rabbit:	1200 mg/kg

Acetone		67-64-1
Oral	LD50 Rat:	5800mg/kg
Inhalation	LC50 Rat:	79mg/ℓ/4hr
Dermal	LD50 Rat:	15800mg/kg
Cyclohexane		110-82-7
Oral	LD50 Rat:	12705mg/kg
Inhalation	LC50 Rat:	>9500ppm/4hr
Dermal	LD50 Rabbit:	>2000mg/kg
Heptane		142-82-5
Oral	LD50 Rat:	>5000mg/kg
Inhalation	LC50 Rat:	103g/m ³ /4hr
Dermal	LD50 Rabbit:	3000mg/kg
Octane		111-65-9
Oral	LD50 Rat:	>5000mg/kg
Inhalation	LC50 Rat:	23.36mg/kg/4hr

11.3 No adverse health effects are expected if the product is handled in accordance with this SDS. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

- 11.3.1 Skin Contact:** Causes skin irritation.
- 11.3.2 Eye Contact:** Causes eye irritation.
- 11.3.3 Sensitisation (Respiratory & Contact)** Not expected to be a sensitiser.
- 11.3.4 Carcinogenicity** Not expected to be carcinogenic.
- 11.3.5 Reproductive/ Developmental Toxicity** Suspected of damaging fertility or the unborn child.
- 11.3.6 Mutagenicity** Not expected to be mutagenic.
- 11.3.7 Target Organ Systemic** May cause damage to organs through prolonged or repeated exposure.

12. Ecological Information

- 12.1 Environment Protection:** Prevent product from entering drains, sewers and waterways.
- 12.2 Ecotoxicity:**
- 12.2.1 Aquatic:** Toxic to aquatic life with long lasting effects.
- 12.2.2 Soil:** Ecotoxic in the soil environment.
- 12.2.3 Terrestrial Vertebrate:** Ecotoxic to terrestrial vertebrates.
- 12.2.4 Terrestrial Invertebrate:** Ecotoxic to terrestrial invertebrates.
- 12.3 Persistence and degradability:** No information available.
- 12.4 Bioaccumulative Potential:** There is no data on this product.

13. Disposal Consideration

- 13.1 Substance Disposal:** Do not dispose of down drains or into local waterways. Recycle or recover whenever possible. Dispose of substance to a hazardous or special waste collection point or through a licensed contractor. Normally suitable for incineration by approved agent.
- 13.2 Container Disposal:** Recycle if possible or dispose of to a hazardous or special waste collection point.
Beware: Empty flammable liquid drums present an explosion hazard if cut by flame or welding torch. Ensure drums are thoroughly cleaned and ventilated.
- 13.3 Local Legislation:** Disposal should be in accordance with Hazardous Substances (Disposal) Regulations 2001, and with any other applicable regional and national laws and regulations.

14. Transport Information

- 14.1** Classified as dangerous goods under NZS: 5433:2012
Transport of dangerous goods on Land.

UN Number: 1133

Proper Shipping Name: ADHESIVES containing flammable liquid.

Class: 3

Packing Group: II

Hazchem Code: 3 [Y]E

15. Regulatory Information

- 15.1 HSNO Approved:**
- Approved code: HSR 002662
- HSNO Group Standard: Surface Coatings and Colourants (Flammable)
- 15.2 HSNO Controls:**
- Approved Handler: Required if present in quantities greater than 250ℓ (when in containers greater than 5ℓ) or 500ℓ (when in container less than or equal to 5ℓ)

16. Other Information

- 16.1 Hazard / Classifications:**
- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H361 Suspected of damaging fertility or the unborn child.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H441 Very toxic to terrestrial invertebrates.

16.2 Abbreviations/Terminology

HSNO	Hazardous substances and New Organisms Act
CAS	Chemical Abstract Service
LD50, LC50	Lethal dose/Lethal Concentration – Dose or concentration required to produce the specified effect in 50% of the sample studied.
WES	Workplace Exposure Standard (Work safe New Zealand)
TWA	Time weighted average exposure level designed to protect from the effects of long-term exposure.
STEL	Short-term Exposure Limit (15minutes)

16.3	Date of Preparation:	4 July 2023
	Reasons:	Update, and format change.
	Replaces:	20 October 2014

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