

MATERIAL SAFETY DATA SHEET

Date of Issue: 24 February 2009

Product Name: Penetrol Aluminium

STATEMENT OF HAZARDOUS NATURE:

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

Section 1 - Identification of the Material and Supplier

COMPANY DETAILS: The Flood Company Australia P/L
 ACN 92 003 024 600
 4 Nelson Avenue Padstow NSW 2211
 Ph: 02 9790 5158, 1800 226-113
 Fax: 02 9709-2604
 A/H 02 9826-6929

PRODUCT:

Product Name: Penetrol Aluminium**Other Names:****Manufacturer's Product Code:** 9 314177 1800XX (XX is package size)**Use:** Aluminium paint

Section 2 - Hazards Identification

HAZARDOUS SUBSTANCE – According to NOHSC-

Dangerous Goods Class and Subsidiary Risk: Class 3 flammable liquid according to the Australian Dangerous Goods Code**Packaging Group:** III**UN Number:** 1263**Hazchem Code:** 3Y**Poisons Schedule Number:** Schedule 5

Section 3 - Composition/Information on Ingredients

INGREDIENT	PERCENT	OCCUPATIONAL EXPOSURE LIMIT		VAPOR PRESSURE	LD50 ORALR AT	LC50 IHL - RAT
		TLV	PEL			
Naphta (Petroleum) Solvent CAS #64742-48-9	45-60	170ppm TWA		<1.0mm Hg @ 70°F	N/A	N/A
Mineral Spirits CAS #8052-41-3	<10	100ppm 100ppm		Not Available	N/A	N/A
Ethyl Benzene CAS #100-41-4	<.01	100ppm 100ppm		10mm Hg @ 26°F	3500 mg/kg	N/A

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Section 4 First Aid Measures

SKIN: Wash affected area with soap and water, flush with large amounts of water. If irritation persists, get medical attention. Do not continue to wear oil-soaked clothing. Discard oil-soaked leather goods. Wash contaminated clothing before reuse.

EYE: Flush immediately with large amounts of water for at least 15 minutes while holding eyelids open. Get medical attention.

INHALATION: Remove victim to fresh air. Seek medical attention if symptoms persist.

SWALLOWING: Rinse mouths. DO NOT INDUCE VOMITING due to danger of aspirating oil into lungs. If vomiting occurs spontaneously, keep head below hips to prevent breathing of liquid into the lungs. DO NOT give anything by mouth if the person is unconscious or having convulsions. Get medical attention immediately.

NOTE TO PHYSICIAN: Aspiration of liquid petroleum products into lungs may cause severe pneumonitis (oil pneumonia). Vomiting should not be induced. Treat symptomatically

Section 5 Fire Fighting Measures

EXTINGUISHING MEDIA: (X) FOAM (X) CO2 (X) DRY CHEMICAL (X) WATER FOG UPPER
Do not use halogenated extinguishing agents such as halon

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable. Exposure of closed containers to heat can cause disruptive pressure. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, other flames and ignition sources at locations distant from material handling point. Do not flush into public sewer system.

SPECIAL FIREFIGHTING PROCEDURES: Avoid breathing fumes. Wear adequate respiratory protection. Water may be ineffective as extinguishing medium but may be used to cool closed containers exposed to heat. Respiratory protection should be self-contained, breathing apparatus type with a full face piece operated in a pressure demand or other positive pressure mode.

Section 6 Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of vapor ignitions. Ventilate area. Stop spill at source.

SMALL SPILL: Remove liquid waste with oil-absorbing compounds and non-sparking tools.

LARGE SPILL: Exclude persons not wearing protective equipment, dike area of spill and pump liquid into salvage tank.

This product is an electrostatic accumulation hazard.

Section 7 Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: COMBUSTIBLE. Prevent contact with flames or hot surfaces. Do not store near heat. Keep containers closed when not in use. Avoid prolonged contact with skin. Avoid breathing concentrated vapors.

OTHER PRECAUTIONS: Store only in well-ventilated areas. Store out of sun and away from heat.

DANGER: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water filled metal container to prevent this. Keep away from incompatible materials.

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Section 8 Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: If TLV of the product or any component is exceeded, a NIOSH/OSHA jointly approved, air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/OSHA respirators under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

PROTECTIVE GLOVES: Oil resistant if prolonged contact is likely.

EYE PROTECTION: Goggles with side shields when spraying or where splashing is likely.

OTHER PROTECTIVE EQUIPMENT: Oil repellent, protective clothing if prolonged contact is likely.

HYGIENIC PRACTICES: Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities. Launder contaminated clothing before reuse.

Section 9 Physical and Chemical Properties

Boiling Point:	>140°C
Vapor Density:	Heavier Than Air
Evaporation Rate:	Slower Than Ether
Volatile Volume:	50-60%
Specific Gravity:	0.95g/cm ³
Physical State:	Liquid
Appearance & Odor:	silver/aluminium colored, Mild Solvent Odor
Odor Threshold:	Not Available
Freezing Point:	Not Applicable
Ph:	Not Applicable
Vapour Pressure:	<0.1kPa at 20°C
Solubility in Water:	Insoluble
Flashpoint:	59°C
Flammability Limits:	Not Available
Lower Flammable Limit:	Not Available
Explosion Limits:	0.6 – 8.0 Vol %
Auto Ignition Temperature:	>200°C

Section 10 Stability and Reactivity

Hazardous Polymerisation: Will not occur

STABILITY: (X) STABLE

HAZARDOUS POLYMERIZATION: (X) WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion in restricted environments can produce carbon monoxide, carbon dioxide and various hydrocarbons.

CONDITIONS TO AVOID: Smoking open flames, sparks and other sources of heat or ignition

INCOMPATIBILITY (MATERIALS TO AVOID): Some acids and caustics (Alkalis), halogenated hydrocarbons and oxidizers may cause violent reactions with aluminium.

Aluminum flake will react with water to slowly generate hydrogen gas and heat. This reaction can be especially hazardous in confined spaces like a sealed drum, because of the build up of pressure.

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Section 11 Toxicological Information

EFFECTS OF OVEREXPOSURE:

SKIN: May cause skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in dermatitis.

EYE: May cause eye irritation. Symptoms include stinging, tearing, redness.

INHALATION: Vapors may cause narcosis and irritation of respiratory system. Prolonged or repeated contact can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.

SWALLOWING: Can cause gastrointestinal irritation, vomiting. Aspiration (breathing) of vomitus into lungs must be avoided; can enter lungs and cause severe damage. Harmful or fatal if swallowed. The aluminium is not toxic.

None of the ingredients of this mixture are listed as a carcinogen or potential carcinogen by the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product.

PRIMARY ROUTE (S) OF ENTRY: (X) DERMAL (X) INHALATION (X) INGESTION (X) EYE

Section 12 Ecological Information

The volatile component will rapidly evaporate to the air if released into the water.

This product may be toxic to aquatic organisms. Aluminium could harm aquatic life in acidic environment.

Environmental protection: Do not allow to enter drains, waterways or sewers

Section 13 Disposal Considerations

Do not incinerate closed containers. Do not dispose of waste material in sewers or waterways.

Promptly incinerate wetted, combustible, oil-absorbing materials. Dispose in accordance with all local, State and Federal regulations.

Section 14 Transport Information

Dangerous Goods Class and Subsidiary Risk: Class 3 flammable liquid according to the Australian Dangerous Goods Code

Packaging Group: III

UN Number: 1263

Hazchem Code: 3Y

Section 15 Regulatory Information

Poisons Schedule Number: Schedule 5

Dangerous good according to the Australian Dangerous Goods Code

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS# Chemical Name % by Weight - 100-41-4 Ethyl Benzene <0.1

Section 16 Other Information

Keep out of reach of children.

The above information is believed to be correct with respect to the formula used in manufacture of the product. As data, standards and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION