

MATERIAL SAFETY DATA SHEET

Product Name: **GREASE FREE**

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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: GREASE FREE

OTHER NAMES: NONE
RECOMMENDED USE: SOLVENT DEGREASER.
SUPPLIER NAME: JAMAC SAFE & CLEAN PTY LTD (ABN 31065 516 529)
ADDRESS: 66 LOFTUS ST, RIVERSTONE NSW 2765
TELEPHONE: 02 9838 1220 OR 0438 569 315

2. HAZARDS IDENTIFICATION

Hazardous according to criteria of NOHSC/ASCC

Classified as Dangerous Goods according to the Australian code for the transport of

Risk Phrases

R10 Flammable.

R65 Harmful, may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

R51 Toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

Safety Phrases

S25 Avoid contact with eyes.

S23 do not breathe vapour/spray.

S29 Do not empty into drains.

S61 Avoid release to the environment.

S62 If swallowed, do not induce vomiting. Seek medical advice immediately and show this container or label.

S36/37/39 Wear suitable protective clothing, gloves and eye protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	PROPORTION (% w/w)
hydrodesulfurized Naphtha	64742-82-1	60%
Benzene, dimethyl	1330-20-7	<10%
Mehtylated Spirits	64-17-5	<10%
Non dangerous goods		to 100%

4. FIRST AID MEASURES

INGESTION: Do not induce vomiting. Immediately remove product from the mouth and rinse mouth out with water. Contact a Doctor or the Poisons Information Centre in your capital city for further advice.

EYE CONTACT: Irrigate with copious quantities of water for at least 15 minutes and seek medical attention if effects persist.

SKIN CONTACT: Remove contaminated clothing and wash skin thoroughly with water. Seek medical attention if the irritation occurs.

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INHALATION: Remove from source of exposure to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position. Seek medical assistance if effects persist.

First Aid Facilities: Eyewash, safety shower and normal washroom facilities.

5. FIRE FIGHTING METHODS

SUITABLE EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical powder.

HAZARDS FROM COMBUSTION: Under fire conditions this product may emit toxic or irritating fumes and gases including hydrocarbons, aldehydes, carbon monoxide and carbon dioxide.

Specific Hazards : Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

HAZCHEM CODE: 3Y

PRECAUTIONS FOR FIRE FIGHTERS AND SPECIAL PROTECTIVE EQUIPMENT:

Fire fighters should wear full protective clothing and self-contained breathing apparatus operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours.

Unsuitable Extinguishing Media

Do not use water jet.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES:

Wear appropriate personal protective equipment and clothing to prevent exposure.

Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill and prevent run off into confined areas, drains and waterways. Absorb with dry earth, sand or other similar material. Collect and seal in properly labelled drums for disposal in an area approved by local authority by-laws. Wash area down with excess water to remove residual material.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Open containers carefully as they may be under pressure. Avoid contact with skin and eyes.

Wear overalls, impervious gloves and safety glasses. Use in designated areas with local exhaust ventilation, away from sparks, flames and other ignition sources. Use approved flammable storage containers in the work area. Prevent release of vapours and mists into workplace air. Keep containers tightly closed. Take precautionary measures against static discharges. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using toilets.

CONDITIONS FOR SAFE STORAGE:

Store in the original container, in a cool dry well-ventilated area away from ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: None listed in HSIS.

Biological Limit Values: No biological limit allocated.

Engineering Controls: This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A Flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentration of vapours below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

Refer to AS 1940- The storage and handling of flammable and combustible liquids.

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Respiratory Protection: If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapour/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Eye Protection: Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye protection will vary according to individual circumstances, Eye protection devices should confirm with Australian/New Zealand Standard AS/NZS 1716.

Hand protection : Wear gloves of impervious material such as nitrile rubber, PVA, Viton, Neoprene. Nitrile rubber, PVA, Viton: Breakthrough time:> 480 mins.

Neoprene: Breakthrough time >60 mins.

Gloves will vary according to individual circumstances such as methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state: Liquid

Odour: paraffinic

pH: not applicable

Boiling point/range: 158-192c

Melting point/range: Not applicable

Flash point: 50-69c

Flammability: Flammable liquid

Vapour pressure: Not established

Relative vapour density: Not established

Water solubility: Miscible with water at all proportions

Relative density: not determined.

Viscosity, dynamic: Not applicable

Evaporation rate: Not established

Percent volatility: Not determined

Auto-Ignition Temperature: > 230c

Explosion Properties: Product is not explosive.

Oxidising Properties: not oxidising

10. STABILITY AND REACTIVITY

Chemical Stability: The product is stable under normal conditions of use and when stored as recommended.

Conditions to Avoid: Heat, open flames and other sources of ignition.

Incompatible Materials: Strong oxidising agents, strong acids.

Hazardous Decomposition Products: Under fire conditions, this product may emit toxic and irritating fumes, smoke and gases including hydrocarbons, carbon monoxide, carbon dioxide and oxides of nitrogen.

Hazardous Reactions: Reacts with incompatible materials.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Inhalation: May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, drowsiness, nausea and vomiting.

Ingestion: Harmful. May cause lung damage if swallowed. May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

Skin : May be irritating to skin. the symptoms may include redness, itching and swelling.

Eye: Maybe irritating to eyes. The symptoms may include redness, itching and tearing.

Chronic Effects: Prolonged or repeated skin contact may cause defatting leaning to dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity :Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Degradability: Readily biodegradable 75% biodegradability in 28 days.

Oxidises rapidly by photo-chemical reaction in air.

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Mobility: Floats on water.
OTHER: None.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and the re-used or disposed of by landfill or incineration as incineration is recommended. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.

14. TRANSPORT INFORMATION

This material is a class 3 -Flammable liquid according the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Class 3-Flammable liquids are incompatible in a placard load with any of the followings:

Class 1: Explosives

Division 2.1: Flammable Gases, if both the Class 3 and Division 2.1 dangerous goods are in bulk.

Division 2.3: Toxic Gases

Division 4.2: Spontaneously combustible substances

Division 5.1: Oxidising substances

Division 5.2: Organic peroxides

Class 6 Toxic or Infectious Substances

Class 7: Radioactive materials unless specifically exempted

U.N. Number: Not determined.

Proper Shipping Name: Turpentine Substitute

DG Class: 3

Packing Group: III

Hazchem Code: 3Y

Special Precautions for user: Not available

IERG Number: 14

U.N. Number (Air transport, ICAO): Not available

IATA/ICAO Proper Shipping Name: Turpentine Substitute

IATA/ICAO Packing Group: III

IATA/ICAO Symbol: Flammable liquid.

IMDG UN No: Not Available

IMDG Proper Shipping Name: Turpentine Substitute (Naphtha, petroleum, hydrodesulfurized heavy)

MARINE POLLUTANT

IMDG Hazard Class: 3

IMDG Pack. Group: III

IMDG Marine Pollutant: Yes

IMDG EMS: F-E, S-E

15. REGULATORY INFORMATION

Regulatory Information

Classified as Hazardous According to criteria of National Occupational Health and Safety.

Poisons Schedule: S5

OTHER: Not relevant.

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