

Material Safety Data Sheet

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Issue date: May 2008

HAND CLEANER INDUSTRIAL

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: TUFF STUFF HAND CLEANER

Synonym: Hand Cleaner

Use: General purpose machine shop hand cleaner.

PO Box 6218
South Windsor Delivery Centre
South Windsor NSW 2756
Tel: (02) 4577 3484
Fax: (02) 4577 2289
Web/email: www.janksupplies.com.au

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC/NOHSC/EU CRITERIA

Hazard Category: None Allocated

Hazard Classification: NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

RISK PHRASES

None allocated.

SAFETY PHRASES

S2 Keep out of reach of children.

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

Road Transport (ADR/RID)

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

Poison Schedule: None allocated [Aust].

3. COMPOSITION / INFORMATION ON INGREDIENTS

| SUBSTANCE NAME | Proportion | CAS Number |
|--|--------------|------------|
| ALIPHATIC HYDROCARBON | 30 to < 60 % | 64742-48-9 |
| SURFACTANTS - NON HAZARDOUS | 1 to < 5 % | Mixture |
| WATER AND OTHER NON-HAZARDOUS SUBSTANCES | Balance | Mixture |

The aliphatic hydrocarbon contains < 0.1 % aromatic or any other poly aromatic compounds. All other ingredients not hazardous according to ASCC/NOHSC/EU Criteria.

4. FIRST AID MEASURES

Swallowed:

If swallowed, **DO NOT** induce vomiting. If conscious give 1 to 2 glasses of water to drink. If irritation persists transport to hospital or doctor.

Eye:

If liquid enters the eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. If irritation persists, immediately transport to hospital or doctor.

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4. FIRST AID MEASURES (Continued)

Skin:

If hair contact occurs, remove contaminated clothing and flush hair with running water. Product is a hand cleaner it is not anticipated to cause irritation to the skin.

Inhaled:

Move victim to fresh air. Apply resuscitation if victim is not breathing - If trained personnel available administer oxygen if breathing is difficult.

First Aid Facilities:

Eye wash fountain, safety shower and normal wash room facilities.

Advice to Doctor:

Treat symptomatically.

For advice, contact Poisons Information Centre

In Australia call Tel: 13 1126

In New Zealand Tel: 034747000

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

If safe to do so, move undamaged containers from fire area.

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding fire situation.

Hazards From Combustion Products: Decomposes on heating emitting oxides of carbon and noxious smoke.

Precautions for Fire Fighters and Special Protective Equipment: Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

HAZCHEM CODE: None allocated [Aust]

FLAMMABILITY

This material is not a flammable or combustible liquid.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Low hazard product. If product spills onto floors it will represent a slip hazard, walk cautiously. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS.

Methods and Materials for Containment and Clean Up Procedures:

Throw absorbent (diatomaceous earth or other inert material) on top of spill, **ALLOW TO ABSORB**, then shovel up and seal in properly labeled containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Store away from all source of ignition. Store away from oxidizing agents. For further information please refer to the Engineering Controls of this MSDS.

Conditions for Safe Storage:

Keep containers tightly closed, when not using this product. Store in a cool place and out of direct sunlight. Store in original packages as approved by manufacturer.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards

No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following component of the product:

ALIPHATIC HYDROCARBON

([NOHSC])

[TWA] 300 ppm

Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate.

Personal Protection Equipment

GLOVES: The use of neoprene or nitrile is recommended.

EYES: It is a sensible precaution to wear eye protection whenever handling any chemical.

RESPIRATORY PROTECTION: Avoid breathing of mists. The use of respirator is not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------|---|
| Appearance: | Creamy green liquid with lime odour. |
| Boiling Point: | Not available. |
| Vapour Pressure: | Not available. |
| Specific Gravity: | ~ 1.00 |
| Flash Point: | Not flammable, water content interferes with flash point. |
| Flammability Limits: | Not applicable. |
| Solubility in Water: | Dilutable. |

Other Properties

pH: 7 - 8

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable under normal conditions of use.

CONDITIONS TO AVOID:

Mixing with incompatibles.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Decomposes on heating emitting oxides of carbon and noxious smoke.

HAZARDOUS REACTIONS:

Will not occur.

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11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

ACUTE HEALTH EFFECTS:

Swallowed:

May cause irritation to mouth, throat and stomach with effects including pains in the stomach, which may lead to nausea, vomiting and diarrhoea. Vomiting and hence aspiration into the lungs, which may lead to chemical pneumonitis is not anticipated due to the viscosity of the product.

Eye:

May cause mild irritation to the eyes.

Skin:

Not anticipated to cause irritation, this product is a general purpose hand cleaner.

Inhaled:

Mists from the product may cause irritation.

Chronic:

There is no toxicological information to suggest that this product if used in accordance with the manufacturer's instructions and with common sense will cause any long term injury.

Aliphatic Hydrocarbon:

There has been numerous toxicological assessments of severely refined and hydro treated aliphatic hydrocarbons, prolonged contact with 100 % aliphatic hydrocarbons have shown to cause defatting and dermatitis in some susceptible individuals. Numerous animal studies have not demonstrated any carcinogenic, mutagenic or fertility abnormalities.

Oral LD50(rat): > 2,000 mg/kg

Dermal LD50(rat): > 2,000 mg/kg

12. ECOLOGICAL INFORMATION

The following information is for the aliphatic hydrocarbon solvent.

Acute Toxicity:

Fish: LC/EC/IC50: > 1,000 mg/L (Low toxicity, species not specified)

Aquatic Invertebrates: LC/EC/IC50: > 1,000 mg/L (Low toxicity, species not specified)

Algae: > 1,000 mg/L (Low toxicity, species not specified)

Mobility:

Floats on water.

Persistence/degradability:

Expected to be readily biodegradable. Oxidises rapidly by photo-chemical reactions in air.

Bioaccumulation:

Has the potential to bioaccumulate.

Large quantities should not be discharged into drains, sewers or waterways.

13. DISPOSAL CONSIDERATIONS

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.

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14. TRANSPORT INFORMATION

Road Transport (ADR/RID)

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

Air Transport (ICAO/IATA)

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

Sea Transport (IMO/IMDG)

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Packing Group: None allocated

15. REGULATORY INFORMATION

Poison Schedule: None allocated [Aust]

Inventory

Australia (AICS)

United States (TSCA)

Europe (EINECS/ELINCS)

Status

Y

Y

Y

Y = all ingredients are on the inventory.

EU Label: None allocated

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16. OTHER INFORMATION

Date of Preparation:

Issue date: May 19, 2008

Reasons for Preparation:

1. Alignment with the 2nd Edition of National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2001(2003)].

Key Legend Information:

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

ASCC - Australian Safety and Compensation Council [Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:2004) [Aust]

EPA - Environmental Protection Agency [Int]

TSCA - Toxic Substances Control Act [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

Hazchem Code - Fire fighters designation [Aust]

ADG Code - Australian Dangerous Goods Code [Aust/Int]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EINECS - European Inventory of Existing Commercial Chemical Substances. [Int]

ELINCS - European List of Notified Chemical Substances. [Int]

EU - European Union [Int]

ADR/RID - European Road & Rail Transport Union - [Int]

EU Directives: The classification criteria used, are adopted from the European Community's (EC) legislation for classifying dangerous substances. The criteria are taken from:

EC Council Directive 67/548/EEC

EC Council Directive 1999/45/EC

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Principal References:

Information supplied by manufacturer, reference sources including the public domain.

Contact:

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END OF MSDS