

Material Safety Data Sheet

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

PRODUCT NAME: MA DEGREASER

Synonyms: None

Recommended Use: Degreaser

Supplier: Minehan Agencies Pty Ltd

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2. HAZARDS IDENTIFICATION

This product is classified as:

A Non-Hazardous Substance according to criteria of the National Occupational Health and Safety Commission (NOHSC).

NOT Dangerous Goods according to the Australian Dangerous Goods Code (ADG Code).

Approved Criteria Classification (Calculated).	Non Hazardous
SUSDP Classification	Not Scheduled
ADG Classification	Not Dangerous goods
Un Number	None allocated

EMERGENCY OVERVIEW

COLOUR	Opaque Green
PHYSICAL DESCRIPTION	LIQUID
ODOUR	Solvent
MAJOR HEALTH HAZARD	Mild Skin & Eye irritant.

POTENTIAL HEALTH EFFECTS

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Inhalation: Short term exposure. Very mild irritation may occur in some people. **Long term Exposure.** May trigger pre-existing respiratory complaints.

Skin Contact: Short term exposure. Defatting. **Long term exposure.** Prolonged exposure to the concentrate may cause irritation, redness and dermatitis.

Eye Contact: Short term exposure. Mild irritation and possible redness. **Long-term exposure.** Not known.

Ingestion: Short term exposure. Mild abdominal discomfort may result. **Long-term exposure.** Not known

Carcinogen Status

NOHSC	Not Classified
NTP	Not Classified
IARC	Not Classified

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No	PROPORTION W/W %
Ethylene glycol monobutyl ether	111-76-2	5-10%
Sodium dodecylbenzenesulphonate	25155-30-0	5-10%
Sodium metasilicate pentahydrate	10213-79-3	1-5%
Nonylphenol ethoxylate	12087-87-0	1-5%
Sodium tripolyphosphate	7758-29-4	1-5%
Coconut diethanolamine	68603-42-9	1-5%
Sodium ethylenediamine tetra acetic acid	64-02-8	<1%
Other ingredients determined not to be hazardous		to 100%

4. FIRST AID MEASURES

Poison Information Centres in each State capital city can provide additional assistance for Scheduled Poisons: Phone (Australia 13 1126).

Inhalation: Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Perform artificial respiration if needed. Allow patient to assume most comfortable position and keep warm.

Skin Contact: Remove contaminated clothing. Wash contaminated skin for at least 15-20mins with of water, or until no evidence of the chemical remains (this product will feel slippery or soapy on the skin.). If swelling, redness, blistering, or irritation occurs seek medical advice. Wash clothing before re-use.

Eye Contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. If present, remove contact lenses.

Ingestion: Immediately rinse mouth with water. Do NOT induce vomiting. Seek medical attention.

Notes to Physician: Treat symptomatically. Suggest intubation BEFORE any emesis due to foaming properties of this product.

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5. FIRE FIGHTING MEASURES

Flash Point: Not a Flammable or Combustible liquid

Fire and Explosion Hazard: Non-combustible material. Closed containers exposed to heat may explode.

Specific Hazards: Spills are a serious slip hazard.

Fire Fighting: Move container from fire area if it can be done without risk. Dam for later disposal. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. **Suitable Extinguishing Media:** Not combustible, however, if material is involved in a major fire use water fog to keep drums cool. Use foam, CO₂ or dry chemical powder to extinguish surrounding fire.

Hazardous Decomposition in Products: On burning may emit fumes including carbon monoxide, carbon dioxide, Sulphur dioxide and partially burned hydrocarbons. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Hazchem Code: None allocated

6. ACCIDENTAL RELEASE MEASURES

Alkaline liquid. Stop leak if possible without personal risk. Wear protective equipment to prevent personal injury (see section 8). **Small spills (< 5L)** Cover with an absorbent material (soil, sand or other inert material). Collect and seal in properly labelled containers for disposal. Hose down area with large amounts of water. Caution, Slip Hazard. **Large spills (>5L)** Prevent run off into drains and waterways. Dam material. Cover with absorbent material. Collect and seal in properly labelled containers for disposal. Hose down area with large amounts of water. Keep unnecessary people away, isolate hazard area and deny entry. If contamination of sewers or waterways has occurred, advise local emergency services.

7. HANDLING AND STORAGE

Store in a well-ventilated area. Store in a cool, dry place and out of direct sunlight. Store away from foodstuffs and strong acids. Store in original containers. Do not store in aluminium containers. Keep containers closed when not in use – check regularly for leaks. Handle using good industrial hygiene practices (see section 8 on personal protection).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: No value has been assigned for this specific material by NOHSC. However the following general exposure limit is recommended as a good work place guide.

Ingredient	TWA	STEL	Notices
Ethylene glycol monobutyl ether	25 ppm	35ppm	Sk

TWA – the Time-Weighted Average airborne concentrations over an eight hour working day, for a five day week over an entire working life.

STEL (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge, these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

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Sk Notice – absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Sen Notice- Sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to minute levels of that substance.

These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Biological Limit Value: No biological limit allocated

Engineering Controls: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards and prevent exposure to vapours, mists and fumes. Use in well ventilated area. Keep containers closed when not in use.

Personal Protection Equipment

Respirator Type (AS 1716): If inhalation risk exists, wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

Eye Protection: Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

Glove Type: Impervious PVC or rubber gloves should be worn.

Clothing: Suitable protective clothing should be worn eg: cotton overalls buttoned at neck and wrist.

Work/Hygienic Practices: Avoid skin and eye contact. Always wash hands before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Water Solubility	Soluble
Colour	Opaque Green	Vapour Pressure	unknown
Odour	Faint	Vapour Density	Above 1 (air =1)
Boiling Point	Approx 100°C	Evaporation Rate	Slower than butyl acetate
Melting Point	NA	% Volatiles	85%
Freezing Point	NA	Flash Point	Not Flammable
Specific Gravity	1.05g/ml (water =1)	Flammability Limits	NA
Ph (neat)	10-12	Ignition Temperature	NA

10. STABILITY AND REACTIVITY

Reactivity: Stable at normal temperatures and pressure.

Conditions to Avoid: Avoid contact with incompatible materials.

Incompatibilities: Strong Oxidising Agents, Strong Acids

Explosive reactions may occur with strong oxidising agents.

Violent heat producing reactions may occur with strong acids.

Hazardous Decomposition: Thermal decomposition products include, sulphur dioxide, carbon dioxide, carbon monoxide, and Nitrous oxides.

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Polymerisation: Will not polymerise.

11. TOXICOLOGICAL INFORMATION

MA Degreaser

Local Effects: Mild Irritant: Inhalation, & eyes.

Target Organs: Eyes and respiratory system.

Classification of Hazardous Ingredients

Ingredients	R Phrases
Sodium metasilicate	R34, R37
Butyl Glycol	R20/21/22, R37
Sodium dodecylbenzylsulphonate	R22, R36/38
Nonyl phenol ethoxylate	R20, R36
Coconut diethanolamide	R36/38

Individual Ingredient Information

Sodium Metasilicate Pentahydrate

Irritation Data: 250mg/24H, skin human, severe; 250mg/24H, skin rabbit, severe; 250mg/24H, skin guinea pig, moderate.

Toxicity Data: LD50 oral rat, 1153mg/kg; LD50 oral mouse, 770mg/kg; LDLo oral dog 250mg/kg

Local Effects: Corrosive: inhalation, skin eye, ingestion

Acute Toxicity Level: Moderately Toxic by ingestion. Lowest published toxic dose, oral human, 1mg/kg (acute renal failure).

Target Organs: Eyes, Skin, and Respiratory System

Mutagenic Data: No information available

Reproduction Effects Data: TDLo oral rat male, 15mg/kg; TDLo subcutaneous rat male, 9766ug/kg.

Ethylene glycol monobutyl ether

Irritation Data: 500mg open skin-rabbit mild; 100mg eyes-rabbit severe; 100mg/24hr eyes-rabbit moderate.

Toxicity Data: The lethal oral dose of ethylene glycols in humans is approximately 1.4ml/kg, which would be equivalent to approximately 100ml of pure Ethyleneglycol monobutyl ether for a 70kg person. LD50 rat oral 1.48 g/kg. LD50 rabbit oral 0.32g/kg. LD50 rabbit dermal 400mg/Kg

Local Effects: Irritant: inhalation, skin, eyes

Acute Toxicity Level: Toxic: inhalation, dermal absorption, ingestion.

Target Organs: Blood, Central Nervous System, Kidneys.

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Mutagenic Data: A statically significant increase in mutations not generally observed in cell cultures at any concentration for a range of tests.

Reproduction Effects Data: May damage the developing foetus.
TCLo: ihl-rat 200ppm/6H (6-15D preg)
TCLo: ihl-rbt 200ppm/6H (6-18D preg)

Sodium Dodecylbenzenesulphonate

Irritation Data: Eye rabbit, 250ug/24H, severe; eye rabbit 1%, severe; Skin rabbit 20mg/24H moderate.

Toxicity Data: LD50 intravenous mouse, 105 mg/kg; LD50 oral mouse, 1330mg/kg; LD50 oral rat, 438mg/kg.

Local Effects: Irritant, skin, eyes and Respiratory System

Acute Toxicity Level: Toxic by ingestion

Target Organs: Skin, eyes, Respiratory System

Mutagenic Data: No information available

Reproduction Effects Data: No information available

Nonylphenol Ethoxylate

Irritation Data: Eye rabbit, 0.005ml, severe corneal injury; Skin rabbit, capillary injection, sensitisation.

Toxicity Data: LD50 oral rat males, 2.33 ml/kg . LD50 oral rat females, 2.83 ml/kg

Local Effects: Irritant, skin, eyes and Respiratory System

Acute Toxicity Level: Toxic by ingestion

Target Organs: Skin, eyes, Respiratory System, Liver & Kidneys

Mutagenic Data: No information available

Reproduction Effects Data: Developmental effects including extra ribs and other skeletal variations were observed in the foetuses of rats treated with maternally toxic levels.

Coconut diethanolamide

Irritation Data: Mild skin irritant

Toxicity Data: LD50 oral rat 4610mg/kg

Local Effects: Eye irritation

Acute Toxicity Level: No available data

Target Organs: Eyes & skin

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Mutagenic Data: No available data

Reproduction Effects Data: No available data

12. ECOLOGICAL INFORMATION

General Statement: Do not allow large quantities (>100L) of the neat product to enter the waterways. The high organic content is likely to affect the Chemical Oxygen Demand (COD) and thus be detrimental to aquatic life.

Ecotoxicity: When diluted according to the label this product is not expected to have any toxic effect on aquatic life.

Persistence and Degradability: No specific information available for this product

Mobility: Very mobile in soil and very soluble in water. No transport to air

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority for disposal, show this MSDS for their consideration. Empty containers not to be recycled or used for any other purpose. Dispose in accordance with local regulations.

14. TRANSPORTATION INFORMATION

UN No	None allocated
Proper Shipping Name	None allocated
ADG Code	Not Dangerous Goods
Sub Risk	None
Packing Group	None
Special Precautions	None
Hazchem Code	None
EPG	None
Segregations	None

15. REGULATORY INFORMATION

SUSDP: Not Scheduled

AICS: All of the constituents of this material are listed on the ACIS.

16. OTHER INFORMATION

Issue Date: Jan 2007

Reason(s) For Issue: Updated to comply with new NOHSC standards for MSDS preparation.

Labelling Details

Although this material is not hazardous the following safety statements are recommended as part of good Industrial work practices.

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S2	Keep out of reach of children.
S26	In case of contact with eye/s, do NOT rub eyes as this may scratch the cornea, rinse immediately with plenty of water and seek medical advice.
S36/37/39	Wear Suitable protective clothing, gloves and eye protection
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label wherever possible).

Abbreviations & Acronyms

SUSPD: Standard for the Uniform Scheduling of Drugs and Poisons

ADG: Australian Code for the Transport of Dangerous Goods by Road and rail

N.O.S. Not Otherwise Specified

CAS No: Chemical Abstracts Service Registry Number

UN No: United Nations Number

R-Phrases: Risk Phrases

S-Phrases: Safety Phrases

HAZCHEM Code: Hazardous Chemical emergency action code

NOHSC: National Occupational Health and Safety Commission

IARC: International Agency for Research into Cancer

ACIS: Australian Inventory of Chemical Substances

NTP: National Toxicology Program (USA)

Literary references:

Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(41999)]

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC: 2011(2003)]

Exposure Standards for Atmospheric Contaminants in the Occupational Environment

Guidance Note [NOHSC: 3008(1995)] National Exposure Standards [NOHSC: 10005(1999)]

List of Designated Hazardous Substances [NOHSC: 10005(1999)]

Standard for the Uniform Scheduling of Drugs and Poison No. 17

The Australian Code for the Transport of Dangerous Goods by Road and Rail EDITION 6

Disclaimer

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product and in particular how to safely handle and use the product in the workplace.

Since Minehan Agencies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace i.e. a risk analysis.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Minehan Agencies Pty Ltd.