



# Noble Earth Technologies

## Grime and Slime Degreaser

### MATERIAL SAFETY DATA SHEET

#### COMPANY DETAILS

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**Hazardous according to criteria of Worksafe Australia.**

#### I IDENTIFICATION

Product Name: Grime and Slime Degreaser  
Other Names: Proper Shipping Name is "FLAMMABLE LIQUID, TOXIC, N.O.S."  
UN No: 1992  
Hazchem Code: 3WE  
Dangerous Goods Class: 3: Flammable Liquid  
Sub Risk Class: 6: Toxic Substances.  
Packaging Group: II  
Most EPGs may now be substituted by the "Initial Emergency Response Guide" available from Standards Australia.  
Poison Schedule: S6  
Product Type: Cleaning solvent  
Chemical Family: Mixture of organic solvents.  
Uses: Cleaning solvent.

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#### **Physical appearance & Properties:**

Appearance & Odour: Blue liquid. Aromatic odour.  
Melting/softening point: No data. Liquid at normal temperatures.  
Boiling point and vapour pressure: Approx 70°C at 100kPa  
Volatile materials: Methanol component.  
Flashpoint: Below 23°C, FCC  
Specific gravity: More than 1.0  
Solubility in water: Soluble.  
Corrosiveness: Not corrosive.

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<u>Ingredients:</u> Chemical entity	CAS No	Proportion %	Worksafe Exposure Limits	
			TWA mg/m <sup>3</sup>	STEL mg/m <sup>3</sup> Peak
1,2-dichlorobenzene	97-50-1	30-60	301	328
methanol	67-56-1	30-60	262	328
other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

#### II HEALTH HAZARD DATA

##### **Health Effects:**

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the

Occupational Environment" (May 1995). 1,2 dichlorobenzene is listed by the IARC Cancer Review under the heading "Human, inadequate evidence".

Prolonged exposure may cause drunkenness, anaesthetic effects, depression of the central nervous system.

Chronic exposure may also cause lung, kidney and liver damage. Ingestion of methanol may also lead to blindness.

Treat this product with care.

**Acute Effects:**

Swallowed: Data suggests that the product should be considered to be toxic by ingestion. May cause severe problems if immediate treatment is not sought.

Eye: Data suggests that this product should be classified as irritating to the eyes. May cause problems including corneal damage or transient blindness if contact is not treated promptly.

Skin: Data suggests that the product should be classified as harmful by skin absorption.

Inhalation: Data suggests that the product should be considered to be possibly irritating by inhalation. Inhalation may result in irritating of upper respiratory tract.

Primary route of exposure is inhalation and skin and eye contact.

**First Aid:**

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 1126 from anywhere in Australia. If possible have this MSDS or product label with you.

Swallowed: If swallowed, do NOT induce vomiting. Wash mouth with water and give a glass of water to drink. Seek immediate medical attention.

Avoid giving alcohol.

If skin contact occurs, remove contaminated clothing and wash skin thoroughly.

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Eye: If this product comes into contact with eyes, hold open and wash with running water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained.

Skin: If this product comes into contact with skin, wash skin with soap and water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again.

Inhalation: If mists, dusts or combustion products are inhaled, remove to fresh air. Lay victim down & keep warm and rested. If breathing is shallow, or has stopped, ensure clear airway and apply resuscitation or oxygen if available. Transport to hospital or doctor immediately.

Eye wash stations or baths should be available where product is being used.

Advice to doctor: Treat symptomatically. Note the nature of this product.

**III PRECAUTIONS FOR USE**

Risk Phrases are: R21, R25, R36. Harmful in contact with skin. Toxic if swallowed. Irritating to eyes.

**Exposure Standards:**

A TWA value of 301 and a peak STEL value has been established for a significant ingredient of this product. Values expressed as mg/m<sup>3</sup>. Exposure values at the STEL is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. Exposure values at the TWA means the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

See ingredients section on page 1 of this data sheet.

**Engineering Controls:**

In industrial situations, concentration values below the TWA value should be maintained.

Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

**Personal Protection:**

Respiratory Protection: A face mask or respirator should be used when this material is being used. For help in selecting suitable equipment consult AS/NZS 1715.

Protective Gloves: Rubber, PVC or other protective gloves should be used, especially if product is being used frequently or for lengthy periods. This product may be absorbed by the skin, resulting in poisoning. For help in selecting suitable gloves consult AS 2161.

Eye Protection: Goggles or full face shield must be used when using this product. Failure to do so may result in eye damage if an accident occurs. Consult AS 1336 and AS/NZS 1337 for information about eye protection.

Clothing: Clean overalls should be worn, preferably with an apron. Consult AS 2919 for advice on Industrial Clothing.

Safety Boots: Wearing safety boots is advisory. Consult AS/NZS 2210 for advice on Occupational Protective Footwear.

Flammability Limits: No data.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**IV SAFE HANDLING INFORMATION**

Safety Phrases are: S2, S29. Combination Safety Phrases are: S20/21, S36/37. Keep out of reach of children. Do not empty into drains. When using, do not eat, drink or smoke. Wear suitable protective clothing and gloves.

**Storage & Transport:**

This material is classed as UN 1992, Class 3: Flammable Liquid. Not to be transported with Classes 1 (Explosives), 2.1 (Flammable Gases) (nb this applies only when in bulk), 2.3 (Toxic Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides) and 7 (Radioactive Substances), foodstuffs or foodstuff empties.

This material is classed as a S6 Poison. Observe appropriate state regulations for storage, transport and sale. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure the material does not come into contact with products listed under "Materials to avoid" below.

**Spills and disposals:**

In event of a major spill, prevent spillage from entering drains or water courses. Call Fire Brigade or emergency services. Wear full protective clothing including self contained breathing apparatus. Stop leak if safe to do so, and contain spill. Absorb onto vermiculite or other absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area, preventing runoff from entering drains. If material enters drains, advise emergency services. This material may be suitable for approved landfill. Dispose of only in compliance with local, state and federal regulations. Launder all contaminated clothing before re-use.

***Fire/Explosion Hazard:***

There is no explosion hazard from this material under normal circumstances.

Flashpoint: Below 23°C, FCC

Extinguishing Media: carbon dioxide, dry chemical, foam, water fog.

Special Fire fighting procedures: Wear full protective clothing including self contained breathing apparatus.

Unusual fire & Explosion hazards: Decomposition products are toxic and corrosive. There is a moderate risk of an explosion from this product if involved in a fire. Heat may cause violent rupture of containers if involved in a fire.

Stability: Stable.

Polymerisation: Will not polymerise.

Decomposition Products: carbon dioxide, carbon monoxide and smoke (if combustion is incomplete), hydrogen chloride gas, chlorides, phosgene, water.

Materials to avoid: strong acids, strong bases, strong oxidising agents.

**V OTHER INFORMATION**

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

**National Poisons Information Centre: Dial 13 1126 (from anywhere in Australia)**

This MSDS prepared by Kilford & Kilford Pty Ltd, March, 2005

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