



MATERIAL SAFETY DATA SHEET

## 1. PRODUCT & COMPANY IDENTIFICATION

**Product Name:** GREASE RELEASE

**Uses:** Solvent based grease, oil and paint remover.

**Supplier Details:** ED Oates Pty Ltd Trading As: RESEARCH PRODUCTS  
**Address:** 13-21 Maygar Boulevard, Broadmeadows, Victoria, 3047  
**ABN:** 61 004 329 462      **ACN:** 004 329 462  
**Telephone:** (03) 9355 6994  
**Fax Number:** (03) 9359 9509

**Poisons Information Centre Telephone: 13 11 26**

## 2. HAZARDS IDENTIFICATION

**Hazardous according to criteria of NOHSC/ASCC**

**Risk Classification:** Xn; Harmful  
N; Harmful to the environment

### Risk Phrases

R40 Possible risk of irreversible effects. Carcinogen category 3.  
R23 Toxic by inhalation.  
R20/21 Harmful by inhalation and contact with skin.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R51 Toxic to aquatic organisms.  
R53 May cause long term effects in the aquatic environment.  
R61 May cause harm to the unborn child.  
R65 May cause lung damage if swallowed.

### Safety Phrases

S1/2 Keep locked up and out of reach of children.  
S23 Do not breathe vapour.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37 Wear suitable protective clothing.  
S46 If swallowed, seek medical advice immediately and show this MSDS or product label whenever possible.  
S61 Avoid release to the environment.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	Percentage	CAS No.
Xylene	< 60	95-47-6
2-Butoxyethanol	< 15	111-76-2
Non ionic Surfactant Blend	< 10	Non Hazardous
Perchloroethylene	< 15	127-18-4
Ethanol	< 15	64-17-5
White Spirits	< 15	64742-82-1

### 4. FIRST AID MEASURES

**Swallowed:** Give 1 or 2 glasses of water to drink. Do not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

**Eye Exposure:** Immediately flush eyes with plenty of water holding eyelids open. Seek medical attention.

**Skin Exposure:** Remove all contaminated clothing. Wash affected area with plenty of water. If skin irritation persists seek medical advice.

**Inhalation:** Remove victim from exposure to fresh air – avoid becoming a casualty. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

**Advice to Doctor**

Treat symptomatically based on individual reactions of patient and judgement of doctor.

### 5. FIRE FIGHTING MEASURES

**Hazchem Code:** 3[Y]

**Special protective precautions and equipment for fire fighters**

Fire fighters should wear full protective equipment including self-contained breathing apparatus. Use water spray to cool fire exposed surface and to protect personnel. If leak or spill has not ignited, use water spray to disperse the vapours and protect men attempting to stop leak. Use foam or dry chemical to extinguish fire. Avoid spraying water directly into storage containers due to the dangers of boilover.

**Hazards from Combustion Products**

Flammable liquid. Liquid can release vapours that can readily form flammable mixtures at temperatures above the flash point. Product can accumulate static charges which can cause an

incendiary discharge. Toxic vapours and gases such as hydrogen chloride, phosgene, chlorine gas and carbon monoxide are generated when this product is involved in a fire.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions:**

Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
Material can create slippery conditions.

### **Environmental precautions:**

CAUTION: Keep spills and cleaning runoff out of drains and open bodies of water.

### **Methods & Materials for Containment & Clean Up:**

Contain spills immediately with inert absorbent materials (e.g. sand, earth).  
Transfer liquids and used absorbent material to separate suitable containers for recovery or disposal.

## **7. HANDLING & STORAGE**

### **Handling:**

Ensure that eye bath is available and ready for use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours, mist or fumes. Observe good hygiene practices and recommended procedures. Wash hands thoroughly after use, especially before eating or smoking.

### **Conditions for safe storage**

Store in a cool, dry, well-ventilated area. Keep container tightly closed and locked up when not in use. Store away from sources of ignition and materials such strong oxidizing agents. Do not store near food stuffs.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure limit(s):** There is no exposure data for this product. The Exposure Standards for:

2- Butoxy ethanol cas no: 111-76-2;

TWA: 20ppm (96.9mg/m<sup>3</sup>) STEL: 50ppm (242mg/m<sup>3</sup>)

Tetrachloro ethylene cas no. 127-18-4

TWA: 50ppm (340mg/ m<sup>3</sup>) STEL: 150ppm (1020mg/m<sup>3</sup>)

Xylene cas no. 1330-20-7/100-41-4

TWA: 80ppm (350mg/ m<sup>3</sup>) STEL: 150ppm (655mg/m<sup>3</sup>)

White Spirits Un. No. 1300

TWA: 70ppm (350mg/ m<sup>3</sup>) STEL: 150ppm (655mg/m<sup>3</sup>)

Absorption through skin may be a significant source of exposure.

**Exposure controls:**

**Eye protection:** Wear safety glasses with side-shields.

**Hand protection:** Wear impervious gloves such as nitrile rubber.

**Respiratory protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Engineering measures:** Use only in a well ventilated area. If handling large amounts a system of local and/or general exhaust is recommended.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Solvent
<b>pH:</b>	Not Applicable
<b>Boiling point/range:</b>	Not established
<b>Melting point/range:</b>	Not applicable
<b>Flash point:</b>	19- 30°C
<b>Lower explosion limit:</b>	Not applicable
<b>Upper explosion limit:</b>	Not applicable
<b>Vapour pressure:</b>	Not established
<b>Relative vapour density:</b>	Not established
<b>Water solubility:</b>	Miscible with water at all proportions
<b>Relative density:</b>	0.895
<b>Viscosity, dynamic:</b>	Not applicable
<b>Evaporation rate:</b>	Not established
<b>Percent volatility:</b>	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

**Hazardous Reactions:** Product is stable under normal conditions of use, storage and temperature.

**Materials to avoid:** Oxidizing agents, halogens and strong acids.

**Polymerization:** Product will not undergo polymerization.

## 11. TOXICOLOGICAL INFORMATION

No data is available for this material.

### **Toxicity Data**

This product is classified as harmful if swallowed. May be harmful by inhalation.

### **Health Effects – Acute**

#### **Swallowed**

Harmful if swallowed. Ingestion may cause irritation of mucous membranes in mouth, pharynx, oesophagus and gastro-intestinal tracts. Symptoms include nausea, headache, vomiting, ataxia (impaired locomotor co-ordination), acidosis, drowsiness, Agitation, insomnia, changes in the blood picture, pulmonary oedema and damage to the liver and kidneys.

#### **Eye**

Causes eye irritation.

#### **Skin**

Irritating to skin. Danger of skin absorption. De-fatting of skin can cause drying, cracking and dermatitis.

#### **Inhaled**

Inhalation causes irritation to the mucus membranes, coughing and dyspnoea. Chronic exposure causes damage to blood cells and blood in urine. Vapour concentration above exposure limits (TWA) may cause headaches, drowsiness and dizziness, could be anaesthetic and may have other central nervous system effects.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No information available for this product.

**Mobility:** No information available on this product.

**Environmental fate (exposure):** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative potential:** No information available for this product.

## 13. DISPOSAL CONSIDERATIONS

**Environmental precautions:** CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Disposal:** Dispose of in accordance with local, state and federal regulations.

## 14. TRANSPORT INFORMATION

**UN Number:** 1992

**UN Proper Shipping Name:** PETROLEUM PRODUCTS N.O.S.

**Class :** DG Class 3

**Subsidiary Risk:** 6.1

**Packing Group:** III

**Special Precautions for User:** Avoid storage or contact with strong oxidising or reducing agents.

**Hazchem Code:** 3[Y]

## 15. REGULATORY INFORMATION

### Label

Classification and labelling have been performed according to regulations.

**Poison Schedule** 6

**EPG** PETROLEUM PRODUCTS N.O.S.

**Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).** All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

## 16. OTHER INFORMATION

**Date of Preparation:** 08.08.2008

**Key to Abbreviations & Acronyms Used in MSDS:**

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

<b>NOHSC</b>	<b>National Occupational Health and Safety Commission.</b>
<b>OECD</b>	<b>Organisation for Economic Co-operation and Development.</b>
<b>PEL</b>	<b>Permissible Exposure Limit.</b>
<b>STEL</b>	<b>Short Term Exposure Limit</b>
<b>TLV</b>	<b>Threshold Limit Value</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>UN</b>	<b>United Nations (Number)</b>
<b>deg C (°C)</b>	<b>Degrees Celsius</b>
<b>g</b>	<b>Gram</b>
<b>g/cm<sup>3</sup></b>	<b>Grams per cubic centimetre</b>
<b>g/l</b>	<b>Grams per litre</b>
<b>Immiscible</b>	<b>Liquids are insoluble in each other</b>
<b>kg</b>	<b>Kilogram</b>
<b>kg/m<sup>3</sup></b>	<b>Kilograms per cubic metre</b>
<b>ltr</b>	<b>Litre</b>
<b>m<sup>3</sup></b>	<b>Cubic metre</b>
<b>mg</b>	<b>Milligram</b>
<b>mg/24H</b>	<b>Milligrams per 24 hours</b>
<b>mg/kg</b>	<b>Milligrams per kilogram</b>
<b>mg/m<sup>3</sup></b>	<b>Milligrams per cubic metre</b>
<b>miscible</b>	<b>Liquids form one homogeneous liquid</b>
<b>ppm</b>	<b>Parts per million</b>
<b>wt</b>	<b>Weight</b>

**Literature References:** Supplies MSDS

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