



## Section 1: Identification of the Material and Supplier

**Product Name:** Degreaser 54

**Other Names:** Surfactant solution in kerosene.

**Proper shipping name (ADG Code):** Kerosene.

**Recommended use:** For the removal of oil and grease from floors and walls of industrial plants and garages.  
Use as directed on the product label.

**Supplier:** Hunters Products (TAS) Pty. Ltd.,  
A.C.N. 004 601 263

### HEAD OFFICE

60 Gleadow Street,  
INVERMAY TAS 7248  
Tel: 03 6331 4755  
Fax: 03 6334 1065

### HOBART OFFICE

105 Albert Road,  
MOONAH TAS 7009  
Tel: 03 6228 7955  
Fax: 03 6228 7988

### BURNIE OFFICE

22 Pearl Street,  
WIVENHOE TAS 7320  
Tel: 03 6431 9627  
Fax: 03 6432 2083

### Emergency Phone Numbers:

Transport/Fire Emergency: 000 (Emergency services)  
Medical Emergency: 131126 (Poisons Information Centre)

## Section 2: Hazards Identification

Classified as hazardous according to criteria of Worksafe Australia.

Dangerous goods.

**Risk Phrases:** R: 10 Flammable.  
R: 65 Harmful: May cause lung damage if swallowed.

**Safety Phrases:** S: 2 Keep out of the reach of children.  
S: 23 Do not breathe vapour.  
S: 24 Avoid contact with skin.  
S: 62 If swallowed, do not induce vomiting: seek medical advice immediately and show the container or label.

## Section 3: Composition/Information on Ingredients

### Ingredients:

Kerosene	[8008-20-6]	> 60 %
Surfactant		< 10 %

## Section 4: First Aid Measures

**For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.**

**Swallowed:** If swallowed, do NOT induce vomiting.

**Skin:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

**Eyes:** If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

**Inhaled:** Remove from exposure, rest and keep warm. Seek medical advice.

### **First Aid facilities:**

**Recommended:** Eye wash. Hand wash basin.

### **Advice to Doctor:**

Product is kerosene containing a low proportion of a surfactant. If swallowed, vomiting should not have been induced because of risk of aspiration of froth into the lungs. May be irritating to skin and eyes. Contact Poisons Information Centre.

### **Aggravated medical conditions:**

Pre-existing skin disorders.

## Section 5: Fire Fighting Measures

**HAZCHEM Code:** 3[Y]

**Evacuate:** No.

**Extinguishant:** Foam or dry agent.

**Risk of violent reaction or explosion:** Yes.

**Products of combustion:** Oxides of carbon, oxides of nitrogen, oxides of sulphur.

**Protective Equipment:** Breathing apparatus and protective gloves for fire only.

## Section 6: Accidental Release Measures

### **Emergency Procedures:**

Contain.  
Shut off all sources of ignition.  
Increase ventilation.

**For large spills:**

Contain spillages with sand or earth. Transfer both liquid and solids to suitable closed container(s). Treat residues as for small spills.

**For small spills:**

Absorb on inert absorbent and transfer to suitable closed container. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapours.

## Section 7: Handling and Storage

**Precautions for safe handling:**

Avoid contact with skin and eyes.  
 Avoid breathing vapours.  
 Keep away from naked flames and other sources of ignition.

**Conditions for safe storage:**

Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded flammables store. Store in original container. Keep container tightly closed and out of direct sunlight. Keep away from naked flames and other sources of ignition. Prevent vapours from collecting in enclosed or low lying spaces. Keep away from oxidising agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

**Incompatibles:**

Oxidising agents, strong acids, caustic alkalis.

## Section 8: Exposure Controls/Personal Protection

**National Exposure Standards:**

**ES-TWA:** None assigned by NOHSC, but see:  
 Kerosene 100 mg/m<sup>3</sup> [Poland, NIOSH]  
 200 mg/m<sup>3</sup> [ACGIH]

**ES-STEL:** None assigned by NOHSC, but see:  
 Kerosene 300 mg/m<sup>3</sup> [Poland]  
 600 mg/m<sup>3</sup> [Russia]

**ES-PEAK:** None assigned.

**Notations:** None assigned by NOHSC, but see:  
 Kerosene Skin [ACGIH]  
 Confirmed animal carcinogen. [ACGIH]  
 Not classifiable as a human  
 carcinogen [ACGIH]

*[Skin] indicates that this material may be absorbed via unbroken skin, and any such contact may invalidate the TLV.*

**Biological Limit Values:** No data found.

**Engineering Controls:**

Use only flame proof equipment.  
 Ensure adequate ventilation (same as outdoors) when using.  
 If handling industrial quantities, or if vapour risk exists, consider local mechanical exhaust/extraction to keep airborne contamination as low as possible and at least below the TLV.

**Personal Protective Equipment:**

Avoid contact with skin and eyes. Avoid breathing vapours.  
 Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

**Normal Use:**

Eye/face protection  
 Gloves, rubber or plastic.

**Industrial Quantities:**

Face shield or safety glasses  
 Gloves, rubber or plastic  
 Plastic apron, sleeves and boots  
 Impervious overalls.

## Section 9: Physical and Chemical Properties

Appearance:	Dark coloured mobile liquid.	
Odour:	Characteristic smell of kerosene.	
pH:	5 - 7.	
Vapour Pressure:	< 0.26 kPa @ 20 °C	[kerosene]
Vapour Density:	4.5 (Air = 1)	[kerosene]
Boiling Point:	150 - 280 °C	
Melting Point:	No data.	
Volatiles:	> 90 %	
Volatile Organic Compounds (VOC):	> 90 %	[kerosene]
Evaporation Rate:	No data found.	
Solubilities:	miscible with water.	
Specific Gravity/Density:	0.8 g/mL @ 20 °C	
Flash Point:	40 °C (Abel closed cup)	[kerosene]
Flammable Limits:	0.7 - 5.0 %	[kerosene]
Dust Explosion:	Not applicable.	
Auto-ignition Temperature:	210 °C	[kerosene]

**Other Information:**

Liquid hydrocarbons containing a surfactant. Flammable. Contact with oxidising agents may cause fire. Slippery when spilled.

## Section 10: Stability and Reactivity

<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	Incompatible materials, heat, sources of ignition.
<b>Incompatible Materials:</b>	Oxidising agents, mineral acids, caustic alkalis.

**Hazardous Decomposition Products:** Oxides of nitrogen, oxides of sulphur. Incomplete combustion may generate carbon monoxide.

**Hazardous Reactions:** Contact with strong oxidising agents may cause fire.

## Section 11: Toxicological Information

### Health Effects:

No data available for the mixture. Information presented relates to individual ingredients.

- Acute:**
- Swallowed:** Likely to cause gastric upset, nausea, vomiting and diarrhoea. Other effects may include coughing, hallucinations, distorted perceptions, fever, general depressed activity and abdominal pain. An aspiration risk.
  - Skin:** Irritating to skin. Will have a degreasing effect on the skin. May cause redness, dry skin, roughness, itching, dermatitis, pain and other symptoms similar to when inhaled. May be absorbed directly through intact skin, and through damaged or abraded skin in harmful amounts.
  - Eyes:** Severe irritant. May cause redness and pain. Both liquid and vapours are irritating to the eyes.
  - Inhaled:** Vapours may be irritating to the respiratory system. Other symptoms may include dizziness, headache, confusion, coughing, shortness of breath, a burning pain in the chest, weakness, restlessness, incoordination, drowsiness and coma. Aspiration of froth into the lungs during swallowing or vomiting can cause serious pneumonitis (irritation and inflammation of lung tissues) and possible lung injury. *As little as one gram of kerosene froth drawn into the lungs has been fatal in humans.*
- Chronic:** Repeated skin contact may lead to irritation and irritant contact dermatitis. Repeated exposure to kerosene may lead to liver, kidney and spleen damage, and may cause blood abnormalities e.g. anaemia.

<b>LD<sub>50</sub> :</b>	Kerosene	15,000 mg/kg oral, rat. 2,835 mg/kg oral, rabbit.
<b>LDLo:</b>	Kerosene	500 mg/kg oral, man.
<b>TCLo:</b>	Kerosene	5.7 mg/kg oral, man - nausea, vomiting, cough, other changes to lungs, thorax or respiration.

## Section 12: Ecological Information

<b>Ecotoxicity:</b>	Harmful to aquatic organisms.
<b>Persistence and degradability:</b>	The surfactant used in this product is considered to be readily biodegradable according to AS 1792.
<b>Mobility:</b>	Readily transported by running water.
<b>Environmental Fate:</b>	No data.
<b>Bioaccumulative potential:</b>	No data.
<b>Other adverse environmental effects:</b>	Contains liquid hydrocarbons. May produce an oil film on the surface of natural waters. Contains surfactant. Local concentrations may be harmful to aquatic organisms, including fish.

## Section 13: Disposal Considerations

The generator of any wastes from this product is responsible for its proper classification, transport and disposal.

Consult appropriate local and State regulations.

**Disposal methods and containers:**

High temperature incineration.  
Avoid disposal to sewer, natural waters or the environment.

**Special precautions for landfill or incineration:**

Scrubbers for incineration exhaust.  
Unsuitable for landfill.

## Section 14: Transport Information

**UN Number:** UN 1223

**UN Proper shipping name:** Kerosene.

**Class and subsidiary risk:** 3 Flammable liquid.

**Packaging group:** III

**Special precautions for user:** Do not store or transport with dangerous goods of classes 1, 2.1 (when in bulk), 2.3, 4.2, 5.1, 5.2, 7.  
Contain spillages.

**HAZCHEM Code:** 3[Y]

**Material for export:** Regulated.  
Refer to **IMO/IMDG** and **IATA/ICAO**.

## Section 15: Regulatory Information

**Poisons (SUSDP):** Schedule 5  
*Liquid hydrocarbons (kerosene) > 25 %.*

**Dangerous Goods:** Yes. UN 1223 3/III 3[Y].

<b>Carcinogen:</b>	<b>Australia</b>	<b>IARC</b>	<b>NTP</b>	<b>RTECS</b>
	No.	No.	No.	No.

**Agricultural and Veterinary Chemicals Act:** Not applicable.

**Australian Inventory of Chemical Substances (AICS):** Listed.

**Other National/International Regulations:** No data.

## Section 16: Other information

**Date of MSDS update:** October 2007  
Complete review and re-write of all sections.

**Abbreviations:**

NOHSC - National Occupational Health and Safety Commission.  
ACGIH - American Conference of Governmental Industrial Hygienists.  
IARC - International Agency for Research on Cancer (France).  
NPT - National Toxicology Program (USA).  
RTECS - Registry of Toxic Effects of Chemical Substances.

**Literature references:**

**Other Available Sources of Data:**

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

*Australian Dangerous Goods Code.*

*Standard for the Uniform Scheduling of Drugs and Poisons - AHMAC.*

*Exposure Standards for Atmospheric Contaminants in the Occupational Environment [1003]- NOHSC.*

*List of Designated Hazardous Substances [10005] - NOHSC.*

*Merck Index - Merck Inc.*

*Sax's Dangerous Properties of Industrial Materials - Lewis.*

*Handbook of Toxic and Hazardous Chemicals and Carcinogens - Sittig.*

*Handbook of Reactive Chemical Hazards - Bretherick.*

*Hawley's Condensed Chemical Dictionary - Wiley Interscience.*

*AUSREG's Chemical Data Package for PCs - AUSREG Consultancy.*