



## Section 1: Identification of the Material and Supplier

**Product Name:** Klensolve

**Other Names:** White spirit mixture.

**Proper shipping name (ADG Code):** Petroleum distillates, n.o.s.

**Recommended use:** As a grease spot remover for clothing.  
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 label or container.

## Section 3: Composition/Information on Ingredients

### Ingredients:

Naphtha (petroleum), medium aliphatic [64742-88-7]	>	60 %
Naphtha (petroleum), light aromatic [64742-95-6]	10 -	30 %
Other ingredients deemed not to be hazardous	<	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 a mixture of hydrocarbons. If swallowed, vomiting should not have been induced because of risk of aspiration of hydrocarbon froth into the lungs. Irritating to skin and eyes. Concentrated vapours may be narcotic. Inhalation over-exposure may lead to pulmonary oedema. Contact Poisons Information Centre.

### **Aggravated medical conditions:**

Persons with liver or kidney dysfunction may be more at risk from adverse effects of this material.

## Section 5: Fire Fighting Measures

**HAZCHEM Code:** 3[Y]

**Evacuate:** No.

**Extinguishant:** Foam or dry agent.

**Risk of violent reaction or explosion:** Yes.  
Vapours will be heavier than air.  
Risk of remote ignition.

**Products of combustion:** Oxides of carbon, black smoke.

**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 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 concentrated 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. Take precautionary measures against static discharges. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

### Incompatibles:

Oxidising agents.

## Section 8: Exposure Controls/Personal Protection

### National Exposure Standards:

**ES-TWA:** None assigned by NOHSC, but see:  
Mineral turpentine 480 mg/m<sup>3</sup>

**ES-STEL:** None assigned.

**ES-PEAK:** None assigned.

**Notations:** None assigned.

**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:**

Positive pressure air hood  
Full face respirator fitted with organic vapour filters  
Face shield or safety glasses  
Gloves, rubber or plastic  
Plastic apron, sleeves and boots  
Impervious overalls.

## Section 9: Physical and Chemical Properties

Appearance:	Clear, almost colourless, oily liquid.
Odour:	Smell of spearmint.
pH:	No data.
Vapour Pressure:	No data.
Vapour Density:	3.90 (Air = 1)
Boiling Point:	From 150 °C
Melting Point:	No data.
Volatiles:	100 %
Volatile Organic Compounds (VOC):	100 %
Evaporation Rate:	No data.
Solubilities:	Immiscible with water.
Specific Gravity/Density:	0.8 g/mL @ 20 °C
Flash Point:	From about 37 °C
Flammable Limits:	0.9 - 7.5 %
Dust Explosion:	Not applicable.
Auto-ignition Temperature:	About 232 °C

**Other Information:**

Mixture of aliphatic and aromatic hydrocarbons. Flammable. Contact with strong oxidising agents may cause fire. Very slippery when spilled.

## Section 10: Stability and Reactivity

**Chemical Stability:** Stable under normal conditions.  
**Conditions to Avoid:** Incompatible materials, sources of ignition.  
**Incompatible Materials:** Oxidising agents.  
**Hazardous Decomposition Products:** Oxides of carbon, black smoke.

**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:** Harmful if swallowed. Risk of aspiration of hydrocarbon froth into the lungs. Likely to cause gastric upset, nausea, vomiting and diarrhoea. May cause central nervous system depression, characterised by excitement, then headache, dizziness, drowsiness and nausea. Advanced intoxication may cause collapse, loss of consciousness, coma, possible death from respiratory collapse.

**Skin:** May be irritating to skin. Will have a degreasing effect on the skin. May cause redness, irritation, dryness cracking and inflammation. May cause cyanosis of the extremities.

**Eyes:** Irritating to eyes. May cause chemical conjunctivitis and corneal damage.

**Inhaled:** Inhalation of vapours may cause central nervous system effects, including headache, dizziness, drowsiness, nausea, unconsciousness and coma. Aspiration of even quite small quantities of hydrocarbons into the lungs may cause serious lung damage, pneumonitis (inflammation of lung tissues) and pulmonary oedema (fluid build-up in the lungs) which may become a medical emergency. Onset of symptoms may be delayed.

**Chronic:** Repeated or prolonged skin contact may cause dermatitis. Over-exposure to hydrocarbons may cause liver and kidney damage.

**LD<sub>50</sub> :** No specific data found.

## Section 12: Ecological Information

<b>Ecotoxicity:</b>	Harmful to aquatic organisms.
<b>Persistence and degradability:</b>	No data.
<b>Mobility:</b>	Readily transported by running water. May slowly evaporate to atmosphere.
<b>Environmental Fate:</b>	No data.
<b>Bioaccumulative potential:</b>	No data.
<b>Other adverse environmental effects:</b>	Pollutant in natural waters.

## 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:**

Avoid disposal to sewer, natural waters or the environment.

**Special precautions for landfill or incineration:**

High temperature incineration.  
Unsuitable for landfill.

## Section 14: Transport Information

<b>UN Number:</b>	UN 1268
<b>UN Proper shipping name:</b>	Petroleum distillates, n.o.s.
<b>Class and subsidiary risk:</b>	3 Flammable liquid.
<b>Packaging group:</b>	III
<b>Special precautions for user:</b>	Do not store or transport with dangerous goods of classes 1, 2.1 (in bulk), 2.3, 4.2, 5.1, 5.2, 7.
<b>HAZCHEM Code:</b>	3[Y]
<b>Material for export:</b>	Regulated. Refer to <b>IMO/IMDG</b> and <b>IATA/ICAO</b> .

## Section 15: Regulatory Information

**Poisons (SUSDP):** Schedule 5  
*Hydrocarbons, liquid > 25 %*

**Dangerous Goods:** Yes. UN 1268 3/III 3[Y].

**Carcinogen:** **Australia** **IARC** **NTP** **RTECS**  
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:** August 2008  
Complete review and re-write of all sections.

**Abbreviations:**

NOHSC - National Occupational Health and Safety Commission.  
ACGIH - American Conference of Governmental Industrial Hygienists.  
MAK - Maximum workplace concentration - Germany,  
(*maximale Arbeitsplatzkonzentration*)  
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.*