

Infosafe No™ VARC8	Issue Date : August 2012	ISSUED by HUNTERST
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Product Name **KLENSOLVE**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name KLENSOLVE
Company Name Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
Address 60 Gleadow Street INVERMAY
TAS 7248 Australia
Emergency Tel. 0407 610 542
Telephone/Fax Number Tel: 03 6431 9627
Fax: 03 6432 2083
Recommended Use As a grease spot remover for clothing. Use as directed on the product label.

2. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous according to criteria of NOHSC
HAZARDOUS SUBSTANCE.
DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s) Classified as hazardous according to criteria of NOHSC
R10 Flammable.
R65 Harmful: may cause lung damage if swallowed.

Safety Phrase(s) S2 Keep out of reach of children.
S23 Do not breathe gas/fumes/vapour/spray
S24 Avoid contact with skin.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Liquid

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Other ingredients determined not to be hazardous	N/A	<10%
	Medium aliphatic petroleum	64742-88-7	>60%
	Aromatic hydrocarbon solvent	64742-95-6	10-30 %

4. FIRST AID MEASURES

Inhalation Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Ingestion If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Skin If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.

Eye If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists seek medical attention.

First Aid Facilities Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

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.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Foam, water spray or fog. Dry chemical powder or carbon dioxide for small fires only. Do not use water in a jet.

Hazards from Combustion Products Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.

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Special Protective Equipment for fire fighters	Wear full protective clothing and self-contained breathing apparatus.
Specific Hazards	Flammable liquid, flash point 37 °C. Vapour/air mixture may be flammable. Vapour heavier than air, risk of remote ignition. Spray/mist will be more flammable than the liquid. Contact with strong oxidising agents may cause fire.
Hazchem Code	3[Y]

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Contain. Shut off all sources of ignition. Increase ventilation.
Methods and Materials for Containment and Clean Up Procedures	For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.
Spills & Disposal	Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

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	Avoid contact with skin, eyes and clothing. Avoid breathing vapours. Wash thoroughly after handling. Handle and open container with care in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near aerosols, flammables, strong oxidants and corrosives.
Product Transfer	Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Remove any ignition sources and avoid sparks and any other sources of heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls, Personal Protection	In the absence of occupational exposure standards for this product, it is recommended that the following be adopted: Mineral Spirits 150-200, HSPA 350mg/m3 TWA (8hr).
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.
Respiratory Protection	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65 Deg C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Personal Protective Equipment	Avoid contact with the skin and eyes. Avoid breathing the vapour or spray/mist. 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:

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

Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Clear, almost colourless, oily liquid.
Odour	Smell of spearmint.
Melting Point	Data not available
Boiling Point	>150C
Solubility in Water	Not miscible with water
Specific Gravity	0.8
pH Value	N/A
Vapour Pressure	No data.
Vapour Density (Air=1)	3.9 @ 15 Deg C
Flash Point	37C (Abel)
Flammability	Flammable liquid.
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.

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Oxides of carbon, black smoke.

11. TOXICOLOGICAL INFORMATION

Inhalation	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.
Ingestion	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.
Eye	Irritating to eyes. May cause chemical conjunctivitis and corneal damage.
Chronic Effects	Repeated or prolonged skin contact may cause dermatitis. Over-exposure to hydrocarbons may cause liver and kidney damage.
Acute Toxicity - Oral	No specific data found.

12. ECOLOGICAL INFORMATION

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Ecotoxicity	Harmful to aquatic organisms.
Persistence / Degradability	No data.
Mobility	Floats on water. Readily transported by running water. May slowly evaporate to atmosphere.
Other Adverse Effects	Pollutant in natural waters.
Environ. Protection	Avoid contaminating waterways, drains, sewers, or ground.

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.
Product Disposal	Avoid disposal to sewer, natural waters or the environment.
Special precautions for landfill or incineration	High temperature incineration. Unsuitable for landfill.

14. TRANSPORT INFORMATION

Transport Information	Classified as a Class 3 Dangerous Good. Dangerous Goods of Class 3 Flammable Liquids, are incompatible in a placard load with any of the following: - Class 1, Class 2.1, if both the Class 3 and Class 2.1, dangerous goods are in bulk, Class 2.3, Class 4.2, Class 5, Class 6, if the Class 3 dangerous goods are nitromethane and Class 7.
U.N. Number	1268
Proper Shipping Name	PETROLEUM PRODUCTS, N.O.S.
DG Class	3
Hazchem Code	3[Y]
Packaging Method	3.8.3
Packing Group	III
EPG Number	3A1
IERG Number	14

15. REGULATORY INFORMATION

Poisons Schedule	S5
Hazard Category	Harmful
AICS (Australia)	All components listed.

16. OTHER INFORMATION

Signature of Preparer/Data Service	Technical Manager (03) 6431 9627
Technical Contact Numbers	Emergency Advice All Hours: Technical Manager: (03) 6431 9627 Mon-Fri 8am - 6pm Poisons Information Centre: 13 11 26 - 24hrs Transport/Fire Emergency: 000 (Emergency services)
Other Information	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. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this MSDS carefully, and if in doubt ring the Contact Point Number given below. ...End Of MSDS...

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