




Infosafe No™ VARAX	Issue Date : November 2016	ISSUED by HUNTERST
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Product Name **ODOUR END**

1. Identification

GHS Product Identifier	ODOUR END
Company Name	Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
Address	60 Gleadow Street INVERMAY TAS 7248 Australia
Telephone/Fax Number	Tel: 03 6331 4755 Fax: 03 6334 1065
Emergency phone number	0407 610 542
Recommended use of the chemical and restrictions on use	For use in grease traps and for cleaning greasy floors. Use as directed on the product label.

2. Hazard Identification

GHS classification of the substance/mixture	Flammable Liquids: Category 3 Hazardous to the Aquatic Environment - Acute Hazard: Category 1 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1 Sensitization - Skin: Category 1 Skin Corrosion/Irritation: Category 2
Signal Word (s)	WARNING
Hazard Statement (s)	H226 Flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement – General	P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Flame, Exclamation mark, Environment
	  
Precautionary statement – Prevention	P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P233 Keep container tightly closed. P243 Take precautionary measures against static discharge. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash contaminated skin thoroughly after handling P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement – Response	P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse. P370+P378 In case of fire: Use foam or dry agent for extinction. P391 Collect spillage.
Precautionary statement – Storage	P403+P235 Store in a well-ventilated place. Keep cool.
Precautionary statement – Disposal	P501 Dispose of contents/container in accordance with local regulations.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	d - Limonene	5989-27-5	30-60 %

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Ingredients	Name	CAS	Proportion
	Kerosene	8008-20-6	10-30 %
	Acetone	67-64-1	10-30 %
	Other ingredients determined not to be hazardous	N/A	<10%
	Non hazardous surfactants	Mixture	<10%

4. First-aid measures

Inhalation	Remove from exposure, rest and keep warm. In severe cases, obtain medical attention. Apply artificial respiration if not breathing.
Ingestion	If swallowed, do NOT induce vomiting. Give a glass of water to be taken slowly.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before re-use.
Eye contact	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
First Aid Facilities	Eye wash station and normal washroom facilities.
Advice to Doctor	Product is a dilute solution of surfactants in mixed solvents, containing a high proportion of d-limonene and moderate proportions of acetone and kerosene. Irritating to skin and eyes. Vapours may cause drowsiness and dizziness. May cause sensitisation by skin contact. An aspiration risk. Recovery from overdoses of d-limonene may be complicated by anuria, pulmonary oedema and bronchial pneumonia. Contact Poisons Information Centre.
Most important symptoms/effects, acute and delayed	Aggravated medical conditions: Prior sensitisation to d-limonene. Liver or kidney disfunction. Use of alcoholic beverages will enhance harmful effects.

5. Fire-fighting measures

Suitable extinguishing media	Foam or dry agent.
Hazards from Combustion Products	Oxides of carbon, black smoke, noxious fumes.
Specific Methods	Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition. If safe to do so, remove containers from path of fire.
Specific hazards arising from the chemical	Vapour/air mixtures may be flammable or explosive. Vapours are heavier than air - risk of remote ignition.
Hazchem Code	3[Y]E

6. Accidental release measures

Emergency Procedures	Contain. Shut off all sources of ignition. Increase ventilation.
Spills & Disposal	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.

7. Handling and storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid breathing vapours.
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Conditions for safe storage, including any incompatibilities	Keep away from naked flames and other sources of ignition. 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. Keep away from naked flames and other sources of ignition. No smoking. Prevent vapours from collecting in enclosed or low-lying places. Take precautions against static discharge. Keep away from oxidising agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.
Unsuitable Materials	Incompatibles: Oxidising agents.

8. Exposure controls/personal protection

Other Exposure Information	For solvent no ACGIH TLV. Manufacturer recommends OEL 100ppm/8hr day.
Appropriate 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 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: Positive pressure air hood 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	Pale yellow to brown, oily liquid.
Odour	Smell of citrus.
Boiling Point	From 56 °C [acetone]
Solubility in Water	Miscible with water.
Specific Gravity	0.85
pH	No data.
Vapour Pressure	No data.
Vapour Density (Air=1)	Vapours will be heavier than air.
Flash Point	< 23 °C
Flammability	Flammable liquid
Auto-Ignition Temperature	255 °C [d-limonene] 465 °C [acetone] 210 °C [kerosene]
Other Information	Organic mixture containing mixed surfactants. May react with strong oxidising agents, strong reducing agents. Sensitive to light and air. May attack some plastics. Slippery when spilled.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
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Conditions to Avoid	Incompatible materials, sources of ignition, light, air.
Incompatible Materials	Oxidising agents, reducing agents.
Hazardous Decomposition Products	Oxides of carbon, black smoke, noxious fumes.
Possibility of hazardous reactions	Contact with strong oxidising agents may cause fire.

11. Toxicological Information

Acute Toxicity - Oral	LD50: d-Limonene 4,400 mg/kg oral, rat. Acetone 5,800 mg/kg oral, rat. LDLo: Acetone 715 mg/kg oral, man.
Ingestion	Likely to cause gastric upset, abdominal discomfort, headache, nausea, vomiting and diarrhoea. May affect the central nervous system, liver and kidneys. An aspiration risk.
Inhalation	Irritating to nose, throat and mucous membranes. May cause coughing, sore throat, headache, confusion, dizziness, rapid and shallow breathing, rapid pulse, drowsiness, convulsions, loss of consciousness. Aspiration of froth into the lungs during swallowing or vomiting may cause serious lung damage, which should be treated as a medical emergency.
Skin	Irritating to skin. May cause redness, drying. Will degrease the skin. May be absorbed through the skin.
Eye	Irritating to eyes. May cause redness, pain, blurred vision, tissue and corneal damage.
Chronic Effects	Over-exposure may cause liver and kidney damage, and may affect the blood and bone marrow. Skin contact with d-limonene may cause sensitisation, especially if the d-limonene has been partially oxidised by prolonged exposure to air. Chronic skin exposure to acetone may cause irritation, dry skin, cracking, dermatitis and infection.

12. Ecological information

Ecotoxicity	Toxic to aquatic organisms.
Persistence and degradability	May cause long term adverse effects in the aquatic environment. At least one of the surfactants used in this product is not considered to be readily biodegradable.
Mobility	Readily transported by water. Volatile components will readily evaporate to atmosphere.
Other Adverse Effects	Contains mixed surfactants. Local concentrations may be harmful to aquatic organisms, including fish.
Environmental 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.
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U.N. Number 1993
UN proper shipping name FLAMMABLE LIQUID, N.O.S.
Transport hazard class(es) 3
Hazchem Code 3[Y]E
Packing Group II
EPG Number 3A1
IERG Number 14

15. Regulatory information

Poisons Schedule S5
AICS (Australia) All components listed.

16. Other Information

Date of preparation or last revision of SDS 1/11/2016

Literature References Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons
Australian Code for the Transport of Dangerous Goods by Road & Rail
Globally Harmonised System of classification and labelling of chemicals

Signature of Preparer/Data Service Technical Manager 0407 610 542

Technical Contact Numbers Emergency Advice All Hours:
Technical Manager: 0407 610 542 Mon-Fri 8am - 6pm
Poisons Information Centre: 13 11 26 - 24hrs
Transport/Fire Emergency: 000 (Emergency services)

Other Information This SDS 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 SDS carefully, and if in doubt ring the Contact Point Number given below.
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