

Infosafe No™ VAR8W Issue Date : July 2016 ISSUED by HUNTERST

Product Name **CARBOKLEEN**

1. Identification

GHS Product Identifier CARBOKLEEN

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 To remove grease, oil, carbon and paint from all kinds of metals. Use strictly as directed on the product label.

2. Hazard Identification

GHS classification of the substance/mixture Acute Toxicity - Inhalation: Category 4
Carcinogenicity category 1B
Germ cell mutagenicity category 1B
Skin Corrosion/Irritation: Category 1B

Signal Word (s) DANGER

Hazard Statement (s) H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.
H340 May cause genetic defects .
H350 May cause cancer .

Precautionary statement – General P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s) Corrosion, Exclamation mark, Health hazard



Precautionary statement – Prevention P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash contaminated skin thoroughly after handling
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.

Precautionary statement – Response P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P310 Immediately call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.

Precautionary statement – Storage P405 Store locked up.

Precautionary statement – Disposal P501 Dispose of contents/container in accordance with local regulations.

3. Composition/information on ingredients

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Ingredients	Name	CAS	Proportion
	Methylene chloride	75-09-2	30-60 %
	Phenol	108-95-2	10-30 %
	Cresylic acid	1319-77-3	<10%
	Other ingredients determined not to be hazardous	N/A	<10%
	Water	7732-18-5	to 100%

4. First-aid measures

Inhalation	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible, either on site or at the nearest hospital.
Ingestion	Immediately rinse mouth with water. Give water to drink to be taken slowly. DO NOT INDUCE vomiting. Do not give milk, oils or alcohol. Seek immediate medical assistance.
Skin	Immediately wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. Swab repeatedly with glycerin, PEG (polyethylene glycol) or PEG methylated spirit mixture or if necessary methylated spirit alone. Wear gloves while administering first aid.
Eye contact	Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Urgently seek medical assistance. Transport to hospital or doctor without delay.
First Aid Facilities	Eye wash station and normal washroom facilities. Recommended: Emergency shower, stock of methylated spirit.
Advice to Doctor	Product is a solution of phenol and cresol isomers, and a soft soap, in dichloromethane. Toxic by skin contact and if swallowed. Causes burns by all routes. Skin burns may not be immediately painful, owing to the anaesthetising effect of phenol. Contact Poisons Information Centre.
Other Information	Aggravated medical conditions: Persons with liver, kidney or respiratory disfunction may be more susceptible to the harmful effects of this product. Inhalation of dichloromethane vapours may enhance symptoms of angina.

5. Fire-fighting measures

Suitable extinguishing media	Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).
Hazards from Combustion Products	If involved in a fire, hydrogen chloride and phosgene may be evolved.
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.
Hazchem Code	2X
Precautions in connection with Fire	Will emit toxic fumes in fire situations.

6. Accidental release measures

Emergency Procedures	Contain. Shut off all sources of ignition. Increase ventilation.
Spills & Disposal	Clear area of all unprotected personnel. Increase ventilation. Wear full protective clothing and Self-contained breathing apparatus, conforming to AS/NZS 1715 and AS/NZS 1716. Use absorbent soil, sand or inert material such as vermiculite. DO NOT use sawdust. Prevent runoff into drains and waterways. Collect and seal in properly labelled drums for disposal.

7. Handling and storage

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Handling and Storage	Avoid contact with skin and eyes. Avoid breathing vapours. Keep away from hot surfaces, naked flames and other sources of ignition. Do not weld or smoke near this material.
Conditions for safe storage, including any incompatibilities	Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bonded dangerous goods 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, alkalis. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents. Check regularly for spills and leaks.
Unsuitable Materials	Incompatibles: Oxidising agents, alkalis.

8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Methylene chloride			174	50	
	Phenol			4	1	
	Cresylic acid			22	5	
Appropriate engineering controls	Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Use with local exhaust ventilation or while wearing supplied air masks. Vapour heavier than air - prevent concentrations in hollows or sumps. DO NOT enter confined spaces where vapour may of collected. Keep containers closed when not in use.					
Personal Protective Equipment	<p>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:-</p> <p>Normal Use:</p> <ul style="list-style-type: none"> Eye/face protection Gloves, PVC or suitable solvent resistant Impervious overalls. <p>Industrial Quantities:</p> <ul style="list-style-type: none"> Face shield or safety glasses Gloves, PVC or suitable solvent resistant Plastic apron, sleeves and boots Impervious overalls. <p>If conditions cause vapour concentration to exceed TWA standards, or operator discomfort arises, wear a face mask fitted with organic vapour cartridges. Fresh air supply mask/hood should be used in poorly ventilated/enclosed areas.</p> <p>Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.</p>					

9. Physical and chemical properties

Form	Liquid
Appearance	Clear, dark brown, mobile liquid.
Odour	Strong, characteristic smell of phenols and dichloromethane.
Melting Point	Not available.
Boiling Point	From approx. 40 °C
Solubility in Water	Soluble in a large excess of water.
Specific Gravity	1.3
Vapour Pressure	47.4 kPa @ 20 °C [dichloromethane]
Odour Threshold	300 ppm [dichloromethane] 0.04 ppm [phenol]
Flash Point	None

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Flammability Non flammable.

Flammable Limits - Lower Not known

Flammable Limits - Upper Not known

Other Information Phenols content may partially dissolve in the water seal on the top of a soak tank. On prolonged contact with water, dichloromethane will produce a small quantity of hydrochloric acid. Incompatible with aluminium and magnesium. Will darken in colour on exposure to air, light and contamination. Incompatible with oxidising agents and alkalis. May attack some forms of plastic, rubber and paint/coatings. May form phosgene if dichloromethane vapours come into contact with hot metal surfaces, naked flames, lighted cigarettes, or UV light.

10. Stability and reactivity

Chemical Stability Stable under normal use conditons.

Conditions to Avoid Incompatible materials, UV light, air, heat.

Incompatible Materials Oxidising agents, alkalis, metals.

Hazardous Decomposition Products Noxious fumes including phosgene.

Possibility of hazardous reactions Exposure to hot metal surfaces, naked flames or UV light may generate phosgene, a toxic gas.

11. Toxicological Information

Toxicology Information No data available for the mixture. Information presented relates to individual ingredients. Use of alcoholic beverages may enhance the harmful effects of this product.

Acute Toxicity - Oral

LD50: Dichloromethane 985 mg/kg oral, rat.
873 mg/kg oral, mouse.
Phenol 512 mg/kg oral, rat.
669 mg/kg skin, rat.

LC50: Dichloromethane 52,000 mg/m³/6 hours, rat.
Phenol 316 mg/m³/4 hours, rat.

LDLo: Dichloromethane 357 mg/kg oral, human.
Phenol 140 mg/kg oral, human.
10 mg/kg oral, infant.

TCLo: Dichloromethane 500 ppm/8 hours, human - euphoria.

Ingestion May be fatal. Ingestion of dichloromethane may cause symptoms of central nervous system depression including excitement, dizziness, drowsiness, headache, abdominal pain, weakness, nausea, loss of consciousness and death from respiratory failure. Dichloromethane is metabolised to carbon monoxide in the blood, and may cause cyanosis and death. Ingestion of phenols may cause severe and permanent damage to the digestive tract, including perforation. May cause burns to the mouth, lips, throat and stomach, but with a local anaesthetic effect. Other symptoms may include hallucinations and distorted perception, sore throat, abdominal pain, diarrhoea, smoky dark-green urine, convulsions, shock and collapse.

Inhalation Irritating to the respiratory system. Inhalation of dichloromethane vapours may cause dizziness, drowsiness, headache, nausea, weakness, loss of consciousness and death. May have narcotic effects including symptoms of mental confusion, light headedness, fatigue, staggering, loss of balance. Will be absorbed through the lungs and may lead to difficulty breathing due to an increase of carboxyhaemoglobin levels in the blood. Odour of dichloromethane is insufficient warning of unsafe exposures. Inhalation of phenol and cresol vapours may cause a burning sensation, cough, dizziness, headache, nausea, vomiting, shortness of breath and unconsciousness. Other symptoms may include pallor, loss of appetite, weakness, sweating, fatigue and cyanosis. Over-exposure to phenol vapours

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Skin	may cause delayed onset pulmonary oedema (fluid buildup in the lungs) which may become a medical emergency. Will cause skin burns. Skin damage may not be immediately noticed because of the anaesthetic effect of phenol on the skin. Considerable damage may have occurred before such burns become painful. Contact over a large area of skin may result in symptoms similar to when swallowed, including death.
Eye	Dichloromethane, phenol and cresols may all be absorbed through the skin. Risk of serious damage to the eyes. May cause severe, deep burns with risk of permanent loss of vision. Vapours may cause edness, pain, chemical conjunctivitis, - corneal damage, blurred vision and deep burns.
Chronic Effects	Repeated exposure may cause dermatitis and a darkening of the skin. Chronic exposure may affect the liver, kidneys, central nervous system, lungs and pancreas. Dichloromethane is classified by NOHSC as a carcinogen, category 3 - substances that should be regarded as if they are carcinogenic to man.

12. Ecological information

Ecotoxicity	Harmful to aquatic organisms.
Persistence and degradability	No data.
Mobility	Readily transported by water. Dichloromethane will readily evaporate to atmosphere.
Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.

13. Disposal considerations

Waste Disposal	Refer to Land Waste Management Authority in your State. Do not use aluminium containers. Empty containers must be decontaminated and destroyed.
Special precautions for landfill or incineration	Unsuitable for incineration. May be unsuitable for some landfill sites.

14. Transport information

Transport Information	Classified as a Class 6 Dangerous Good. Dangerous Goods of Class 6 Toxic and Infectious Substances are incompatible in a placard load with any of the following: - Class 1, Class 3, if the Class 3 dangerous goods are nitromethane, Class 8, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids, and are incompatible with food packaging in any quantity.
U.N. Number	2810
UN proper shipping name	TOXIC LIQUID, ORGANIC, N.O.S. - dichloromethane, phenol, cresols
Transport hazard class(es)	6.1
Hazchem Code	2X
Packing Group	II
EPG Number	6A1
IERG Number	36

15. Regulatory information

Poisons Schedule	S6
Hazard Category	Toxic, Corrosive
AICS (Australia)	All components listed.

16. Other Information

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Product Name **CARBOKLEEN**

Signature of Technical Manager 0407 610 542

Preparer/Data Service

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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