Infosafe No™ VARUC	Issue Date : February 2020	ISSUED by HUNTERST

Product Name **CLEAN GLASS**

1. Identification

GHS Product Identifier	CLEAN GLASS
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	As a glass surface cleaner for windows, mirrors and glass doors.

2. Hazard Identification

GHS classification of the substance/mixture	Not classified as Hazardous Not classified as a Dangerous Good
Signal Word (s)	NONE
Hazard Statement (s)	None
Precautionary statement – General	P102 Keep out of reach of children. P104 Read Safety Data Sheet before use.
Pictogram (s)	None
Precautionary statement – Storage	P404 Store in a closed container.
Precautionary statement – Disposal	P501 Dispose of contents/container in accordance with local regulations.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Isopropyl alcohol	67-63-0	1-10 %
	Ingredients determined not to be hazardous, including water.		to 100%
	Surfactants	N/A	<1%

4. First-aid measures

Inhalation	Remove from exposure. If aspirated into the lungs, obtain immediate medical attention.
Ingestion	Do NOT induce vomiting. Give a glass of water to be taken slowly. See a doctor.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly. If irritation persists see a doctor.
Eye contact	If in eyes, hold eyes upen, 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 a solvent and a surfactant in water/isopropyl alcohol solution. If swallowed, vomiting should not have been induced because of risk of aspiration of froth into the lungs. Contact Poisons Information Centre.

5. Fire-fighting measures

Suitable extinguishing media	Use extinguishing media appropriate to surrounding fire.

Hazards from Combustion Products	Water vapour, carbon dioxide. Incomplete combustion may generate carbon monoxide.
Specific Methods	In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.
Specific hazards arising from the chemical	Not a fire hazard. Not an explosion hazard.

6. Accidental release measures

Emergency Procedures	Dilute. Increase ventilation.
Spills & Disposal	Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance. Spillages will be very slippery. Contain large spills with an inert material such as sand, soil or vermiculite. Collect and seal in properly labelled containers for disposal. Small spills may be mopped up. If local regulations permit, wash down area with excess water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water. Ventilate area to dispel any residual vapour.

7. Handling and storage

Conditions for safe storage, including any incompatibilities	Store in cool place in original container. Store away from oxidising agents, acids and foodstuffs. Keep containers closed when not in use. Store out of reach of children. Large quantities should be stored in a bunded area. Do not mix with other chemicals. Clean up all spills and splashes promptly; avoid secondary accidents.
Unsuitable Materials	Incompatibles: Oxidising agents.

8. Exposure controls/personal protection

Occupational exposure limit values

Name	STEL		TWA		
	mg/m3	ppm	mg/m3	ppm	Footnote
Isopropyl alcohol			983	400	

Appropriate engineering controls

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

Prevent contact with the eyes. Avoid contact with the skin. 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.

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

9. Physical and chemical properties

Form	Liquid
Appearance	Clear, mobile, frothing liquid.
Odour	Slight smell of methylated spirit.
Boiling Point	From about 78 °C

Solubility in Water	Miscible with water in all proportions.
Specific Gravity	0.9
pH	8 - 10
Vapour Pressure	Not available.
Flash Point	None
Flammability	Not flammable.
Other Information	Dilute, aqueous solution. May react with strong oxidising agents. Slippery when spilled.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Heat, flames, ignition sources and incompatibles.
Incompatible Materials	Oxidizing agents.
Hazardous Decomposition Products	Emits smoke and fumes when heated to decomposition.

11. Toxicological Information

Acute Toxicity - Oral	LD50 Isopropanol: 5045mg/kg oral, rat. Mixed surfactants: 1800-3400mg/kg oral, rat.
Ingestion	Bitter taste. Likely to cause gastric upset, nausea, vomiting and diarrhoea. May cause symptoms of alcohol intoxication. An aspiration risk.
Inhalation	Inhalation of concentrated vapours or aerosols may cause cough, drowsiness, headache and fatigue. Isopropanol vapours may be irritating to the nose and eyes at concentrations well below the TLV. Aspiration of froth into the lungs during swallowing or vomiting may cause irritation of lung tissues and pulmonary oedema (fluid build-up in the lungs). Onset of symptoms may be delayed.
Skin	Will have a degreasing effect on the skin, which may lead to irritation.
Eye	May be irritating to eyes. Splashes into the eyes may cause redness, itching and a burning pain.
Chronic Effects	Repeated skin contact may lead to skin irritation and dermatitic effects. Repeated exposure to isopropanol vapours may lead to headaches and symptoms of central nervous system depression.

12. Ecological information

Ecotoxicity	May be harmful to aquatic organisms.
Persistence and degradability	The surfactant used in this product is reported to be partially biodegradable.
Mobility	Readily transported by water.
Other Adverse Effects	Contains surfactant. 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.
Special precautions for landfill or incineration	Unsuitable for incineration.

14. Transport information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. Regulatory information

Poisons Schedule	Not Scheduled
AICS (Australia)	All components listed.

16. Other Information

Date of preparation or last revision of SDS	17/02/2020
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. ...End Of MSDS...