SAFETY DATA SHEET

INVISIGLOVE

Infosafe No.: VAR8U
ISSUED Date : 10/02/2017
ISSUED by: Milestone Chemicals Pty. Ltd.

1. IDENTIFICATION

GHS Product Identifier
INVISIGLOVE

Company Name
Milestone Chemicals Pty. Ltd. (ABN 85115166357)

Address
115 Northern Road West Heidelberg
VIC 3081 AUSTRALIA

Telephone/Fax Number
Tel: (03) 9450 4555
Fax: (03) 9457 5518

Emergency phone number
Poisons Information Centre Tel 131126

Recommended use of the chemical and restrictions on use
Non-toxic, liquid no rinse hand sanitiser.

Disclaimer
The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Eye Damage/Irritation: Category 2A
Flammable Liquids: Category 2
STOT Single Exposure: Category 3 (narcotic)

Signal Word (s)
DANGER

Hazard Statement (s)
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary Statement (s)
P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s)
Flame,Exclamation mark

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.
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.
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.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: Use dry chemical, carbon dioxide or foam for extinction.

Precautionary statement – Storage
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Precautionary statement – Disposal
P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Ethanol	64- 17- 5	30- 60 %
Isopropyl alcohol	67- 63- 0	30- 60 %

Other ingredients determined not to be hazardous, including water	N/A	to 100%
Triclosan	77- 92- 9	<1%

4. FIRST-AID MEASURES

Inhalation
Remove victim to fresh air. Apply resuscitation if victim is not breathing - Administer oxygen if breathing is difficult. Transport to hospital or doctor immediately.

Ingestion
If swallowed, DO NOT induce vomiting. Give a glass of water to be taken slowly. Seek urgent medical assistance.

Skin
Material is regarded as beneficial to the skin, and is not a concern. In the case of some extremely sensitive individuals who may develop an irritation, thoroughly wash skin with soap and water and discontinue use.

Eye contact
If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. Immediately see a doctor.

First Aid Facilities
Eye wash station and normal washroom facilities.

Advice to Doctor
Treat symptomatically. Material is a concentrated alcoholic liquid.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use dry chemical, carbon dioxide or foam.

Hazards from Combustion Products
Carbon dioxide, water vapour. Incomplete combustion may generate carbon monoxide.

Special Protective Equipment for fire fighters
Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel. Avoid spreading burning liquid with water used for cooling fire exposed containers when using water spray, boil-over may occur when the product temperature reaches the boiling point of water.

Specific Hazards Arising From The Chemical
Flammable liquid, flash point 20 °C. Vapour/air mixture may be flammable or explosive. Avoid all sources of ignition, heat and naked flames. Ethanol flames may not be readily visible. Contact with oxidising agents may cause fire. Contact with alkali metals or aluminium may generate hydrogen, a flammable gas. Heat of reaction may be sufficient to cause fire.

Hazchem Code
3[Y]E

Other Information
Vapours from this product may travel or be moved by air currents and be ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharge or other ignition sources at locations distant from the point of handling.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Do not walk or touch spilt material unless wearing personal protection as outlined under MSDS.

Spills & Disposal
Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapour; but it may not prevent ignition in closed spaces.
SMALL SPILLS:
Take up with sand, dirt or vermiculite. DO NOT use sawdust. Use non-sparking tools or HEPA vacuum system. Place into labeled drum(s) for later disposal.
LARGE SPILLS:
Notify Emergency Services (Police or Fire Brigade). Tell them exact location, nature, hazards, quantities, type of vehicle and any other information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area.
Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.

7. HANDLING AND STORAGE

Conditions for safe storage, including any incompatibilities
Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition, strong alkalis, acids, combustibles and oxidizing agents. All equipment must be earthed. Store in original packages as approved by manufacturer. For further information please refer to the Engineering Controls of this MSDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Ethanol		TWA	1000	ppm	ACGIH TWA
Isopropyl alcohol		TWA	400	ppm	
Isopropyl alcohol		TWA	983	mg/m3	

Appropriate Engineering Controls
Highly flammable liquid. Maintain adequate ventilation at all times. Prevent accumulation of vapours in hollows or sumps. Eliminate any sources of ignition. Elevated temperature or mechanical action may form vapours, mists or fumes which may require local exhaust ventilation systems.

Personal Protective Equipment
Avoid breathing the vapour. Avoid contact with the eyes. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-
PVC or rubber apron
PVC or rubber gloves
Chemical goggles or faceshield

Select and use respirators in accordance with AS/NZS 1715/1716. When gases/vapours exceed the exposure standards then the use of a half-face respirator with organic vapour cartridge is recommended. For high concentration use an atmosphere-supplied, positive pressure demand self-contained or airline breathing apparatus, complying with the requirements of AS/NZS 1715 is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant.
If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form
Liquid

Appearance
Clear, thick gel

Odour
Alcoholic odour.

Boiling Point
approx. 80C

Solubility in Water
Miscible with water in all proportions.

Specific Gravity
0.9

pH
6-7

Vapour Pressure
59 hPa @ 20 °C

Vapour Density (Air=1)
1.59 (Air = 1)

Evaporation Rate
2.53 (n-Butyl acetate = 1)

Flash Point
20 °C Closed cup.

Flammability
Flammable liquid, flash point 20 °C. Vapour/air mixture may be flammable. Ethanol flames may not be readily visible.

Auto-Ignition Temperature
425 °C (ethanol)

Flammable Limits - Lower
3-5%

Flammable Limits - Upper
15-20%

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under normal use conditons.

Conditions to Avoid
Heat, flames, ignition sources and incompatibles.

Incompatible materials
Chlorates, perchlorates, chromates, dichromates, nitrates and other oxidizing agents.

Hazardous Decomposition Products
Emits oxides of carbon when heated to decomposition.

Possibility of hazardous reactions
Contact with alkali metals or aluminium may generate hydrogen, a flammable gas.

11. TOXICOLOGICAL INFORMATION

Toxicology Information
No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

Acute Toxicity - Oral
LD 50 : Ethanol 7,060 mg/kg oral, rat
LDLo : Ethanol 1,400 mg/kg oral, human
LC 50 : Ethanol 20,000 ppm/10 hours, rat
LCLo : Ethanol 21,900 ppm, guinea pig

Ingestion
Bitter taste. May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.

Inhalation
May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination. When used in small quantities as a hand sanitiser, harmful effects are unlikely to occur.

Skin
May cause irritation to the skin, with effects including; Redness and itchiness.

Eye
May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.

Chronic Effects
Chronic effects are unlikely to occur. In case of irritation, discontinue use until condition subsides.

12. ECOLOGICAL INFORMATION

Ecotoxicity
May be detrimental to the aquatic environment in extremely large amounts.

Persistence and degradability

Readily Biodegradable.

Mobility
Gel which melts at warmer temperatures and is readily diluted with water.

Information on Ecological Effects
This substance is Very Toxic to aquatic organisms
This substance may cause long term adverse effects in the aquatic environment.
This substance may cause long term adverse effects in the environment

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. Advise flammable nature. Normally suitable for disposal by approved waste disposal agent.

14. TRANSPORT INFORMATION

Transport Information
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.
Classified as a Class 3 Dangerous Good.

U.N. Number
1987

UN proper shipping name
ALCOHOLS, N.O.S.

Transport hazard class(es)
3

Packing Group
II

Hazchem Code
3[Y]E

EPG Number
3A1

IERG Number
14

15. REGULATORY INFORMATION

Poisons Schedule
Not Scheduled

Australia (AICS)
All components listed.

16. OTHER INFORMATION

Date of preparation or last revision of SDS
9/02/2017

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 Tel: (03) 9450 4555

Technical Contact Numbers
Emergency Advice All Hours:
Chief Chemist Tel: (03) 9450 4555 Mon-Fri 8am - 6pm
Poisons Information Centre: 13 11 26 - 24hrs

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 SDS