


Infosafe No™ VAROC	Issue Date : March 2020	ISSUED by SUSTAINA
Product Name ACTIVATE INSTANT HAND SANITISER		

1. Identification

GHS Product Identifier	ACTIVATE INSTANT HAND SANITISER
Company Name	Sustainable Cleaning Solutions Pty Ltd
Address	6 Lakewood Boulevard Braeside VIC AUSTRALIA
Telephone/Fax Number	Tel: (03) 9580 2499 Fax: (03) 9580 2488
Emergency phone number	0417 807 780
Recommended use of the chemical and restrictions on use	Non-toxic, liquid no rinse hand sanitiser.

2. Hazard Identification

GHS classification of the substance/mixture	Flammable Liquids: Category 2
Signal Word (s)	DANGER
Hazard Statement (s)	H225 Highly flammable liquid and vapour.
Precautionary statement – General	P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Flame 
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.
Precautionary statement – Response	P370+P378 In case of fire: Use carbon dioxide, dry chemical, and foam for extinction.
Precautionary statement – Storage	P404 Store in a closed container.
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	60-70 %
	Other ingredients determined not to be hazardous, including water	N/A	to 100%

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.



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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 SDS.

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	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Ethanol				1000	ACGIH TWA



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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. When using this product as a hand sanitiser, no PPE is required.

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.



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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 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 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 1987

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

Transport hazard class(es) 3

Hazchem Code 3[Y]E

Packing Group II

EPG Number 3A1

IERG Number 14



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15. Regulatory information

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

16. Other Information

Date of preparation or last revision of SDS 24/03/2020

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 03 9580 2499

Technical Contact Numbers Emergency Advice All Hours:
General Manager Tel: 0417 807 780 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 MSDS...

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