

Infosafe No™ 6AC1R	Issue Date : December 2013	ISSUED by SCAHYGIE
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Product Name : **SAFE SEAT TOILET SEAT SANITISER**

Classified as hazardous

1. Identification

GHS Product Identifier SAFE SEAT TOILET SEAT SANITISER

Company Name SCA AUSTRALASIA - PROFESSIONAL HYGIENE

Address 30-32 Westall Road Springvale
Victoria 3171 Australia

Telephone/Fax Number Tel: +61 3 9550 2999
Fax: +61 3 9547 8165

Emergency phone number +61 3 9550 2999 (BH)

Recommended use of the chemical and restrictions on use Toilet seat sanitiser.

2. Hazard Identification

Classification of the substance or mixture Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Signal Word (s) Classification:
Flammable Liquids: Category 3
Warning

Hazard Statement (s) H226 Flammable liquid and vapour.

Pictogram (s) Flame



Precautionary statement – Prevention P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
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.
P370+P378 In case of fire: Use carbon dioxide, dry chemical, foam, water fog or water mist for extinction. Alcohol resistant foam is preferred. If not available fine water spray/mist can be used.

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

Precautionary statement – Disposal P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ethanol	64-17-5	30-60 %
	Other ingredients determined not to be hazardous, including water.		Balance

4. First-aid measures

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Inhalation	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.
First Aid Facilities	Eyewash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (131 126)

5. Fire-fighting measures

Suitable extinguishing media	Use carbon dioxide, dry chemical, foam, water fog or water mist. Alcohol resistant foam is preferred. If not available fine water spray/mist can be used.
Unsuitable Extinguishing Media	Do not use water jet.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.
Specific hazards arising from the chemical	Flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
Hazchem Code	•2Y
Decomposition Temp.	Not available
Precautions in connection with Fire	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, Non combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.
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7. Handling and storage

Precautions for Safe Handling	Avoid contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use in designated areas with local exhaust ventilation, away from sparks, flames and other ignition sources. Use approved flammable liquid storage containers in the work area. Prevent release of vapours and mists into workplace air. Keep containers tightly closed. Take precautionary measures against static discharges. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

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For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

8. Exposure controls/personal protection

Occupational Safe Work, Australia Exposure Standards:

exposure limit values

Substance	TWA		STEL		NOTICES
	ppm	mg/m ³	ppm	mg/m ³	
Ethanol	1000	1880	-	-	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values

No biological limits allocated.

Appropriate engineering controls

Provide sufficient ventilation to keep airborne levels below the exposure limits or as low as possible. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to relevant regulations for further information concerning ventilation requirements. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear laminated film, nitrile or other suitable, impervious gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

Appearance	Clear, liquid.
Colour	Colourless
Odour	Alcoholic odour.
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	73 to 83°C
Solubility in Water	Soluble

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Specific Gravity	0.95
pH	Not available
Vapour Pressure	58.50 hPa (at 20°C)
Vapour Density (Air=1)	>1
Evaporation Rate	<1 (n-Butyl acetate=1)
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	log Pow:-0.300
Flash Point	26°C
Flammability	Flammable liquid.
Auto-Ignition Temperature	392°C (ethanol)
Flammable Limits - Lower	3.3%
Flammable Limits - Upper	19.0%

10. Stability and reactivity

Reactivity	Refer to Sec 10: Possibility of hazardous reactions
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Heat, direct sunlight, open flames and other sources of ignition.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide and carbon dioxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	The available toxicity data for material given below.
Acute Toxicity - Oral	Ethanol: LD50 (Rat): 7,060 mg/kg LD50 (Mouse): 3,450 mg/kg
Acute Toxicity - Inhalation	Ethanol: LC50 (Rat): 20,000 ppm/10h LC50 (Rat): >8,000 ppm/4h
Ingestion	Swallowing can cause drunkenness or harmful central nervous system effects. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision and fatigue. Severe acute intoxication may cause hypoglycaemia, hypothermia and extensor rigidity. Other effects may include decreased blood pressure and blood changes. Aspiration into the lungs may cause pneumonitis.
Inhalation	May result in upper respiratory tract irritation. Inhalation of excessive amounts of vapour can produce central nervous system depression.
Skin	May be irritating to skin. The symptoms may include redness, itching and swelling.
Eye	May be irritating to eyes. The symptoms may include redness, itching and tearing.
Respiratory sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser.

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Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Not considered to be a carcinogenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ.
Aspiration Hazard	Not expected to be an aspiration hazard.
Other Information	Prolonged or repeated skin contact may cause defatting leading to dermatitis. Prolonged inhalation may cause central nervous system depression with symptoms including dizziness, drowsiness, nausea and headaches. Long term exposure by swallowing or repeated inhalation may cause degenerative changes in the liver, kidney, gastrointestinal tract and heart muscle.

12. Ecological information

Ecotoxicity	The available ecological data is given below.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Do not discharge this material into waterways, drains and sewers.
Acute Toxicity - Fish	Ethanol: LC50 (Golden orfe): 8,140 mg/L/48h
Acute Toxicity - Daphnia	Ethanol: EC50 (Daphnia magna): >9,000 mg/L/48h

13. Disposal considerations

Disposal Considerations	Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.
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14. Transport information

Transport Information	<p>This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)</p> <p>Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none"> - Class 1, Explosives - Division 2.1, Flammable Gases, (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L.) - Division 2.3, Toxic Gases - Division 4.2 Spontaneously Combustible Substances - Division 5.1 Oxidising Agents and Division 5.2, Organic Peroxides - Class 6 Toxic or Infectious Substances (where the flammable liquid is nitromethane) - Class 7: Radioactive materials unless specifically exempted <p>Marine Transport (IMO/IMDG): Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. UN No.: 1170 Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) Class: 3</p>
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Packaging Group: III
EMS No.: F-E, S-D
Special Provision(s): 144 223

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air
Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN No.: 1170

Proper Shipping Name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Class: 3

Packaging Group: III
Label: Flammable Liquid
Packaging Instructions (passenger & cargo): 355
Packaging Instructions (cargo only): 366
Special Provision(s): A3 A58 A180

U.N. Number

1170

**UN proper shipping
name**

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**Transport hazard
class(es)**

3

Hazchem Code

•2Y

Packing Group

III

EPG Number

3A1

IERG Number

14

**IMDG Marine
pollutant**

No

15. Regulatory information

**Regulatory
Information**

Classified as Hazardous according to the Globally Harmonised System of
Classification and labelling of Chemicals (GHS) including Work, Health and
Safety regulations, Australia.

Poisons Schedule

Not classified as a Scheduled Poison according to the Standard for the Uniform
Scheduling of Medicines and Poisons (SUSMP)

Not Scheduled

AICS (Australia)

All components of this product are listed on the Australian Inventory of
Chemical Substances (AICS), or otherwise are in compliance with the NICNAS
requirements

16. Other Information

**Date of preparation
or last revision of
SDS**

SDS Reviewed: December 2013

Supersedes: December 2008

**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.

Model Work Health and Safety Regulations, Schedule 10: Prohibited
carcinogens, restricted carcinogens and restricted hazardous chemicals.

American Conference of Industrial Hygienists (ACGIH)

Globally Harmonised System of classification and labelling of chemicals.
...End Of MSDS...

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