



VIRTUE +

Sanitary 2GO

Safety Data Sheet

Phone: 1300 255 546
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Connect online
@ Virtue Plus

1 Identification

Product Name: SANITARY2GO

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

Sanitary cleanser, for industrial application only.

Details of Manufacturer or Importer:

Virtue Plus
13 Fawkner Ave,
Kings Meadows TAS 7249

Phone Number: (03) 6344 8400

Emergency telephone number: 1800 205 506, +64 7958 2372

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



corrosion

Skin Corrosion/Irritation 1B H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.



Acute Toxicity (Oral) 4 H302 Harmful if swallowed.

Flammable Liquids 4 H227 Combustible liquid.

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Signal Word Danger

Hazard Statements

H227 Combustible liquid.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from flames and hot surfaces. No smoking.

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P304+P340	IF INHALED: Remove person to fresh air and keep 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.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use to extinguish: CO ₂ , powder or water spray.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

CAS: 75-75-2	Methanesulphonic acid ⚠ Skin Corrosion/Irritation 1B, H314	25 - <45%
CAS: 9043-30-5	Polyethylene glycol, isotridecyl ether ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Acute Toxicity (Oral) 4, H302	3 - <10%
CAS: 78330-20-8	Alcohols, C9-11-iso-, C10 rich, ethoxylated ⚠ Serious Eye Damage/Irritation 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315; Aquatic Acute 2, H401	3 - <10%
CAS: 5329-14-6	Sulfamic acid ⚠ Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; Aquatic Chronic 3, H412	1 - <10%
CAS: 68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethylchlorides ⚠ Corrosive To Metals 1, H290; Skin Corrosion/Irritation 1A, H314; Serious Eye Damage/Irritation 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312	1 - <2.5%
CAS: 64665-57-2	Sodium 4(or 5)-methyl-1H-benzotriazolide ⚠ Acute Toxicity (Oral) 4, H302	1 - <2.3%

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation and shortness of breath.

Skin Contact: Causes severe skin burns.

Eye Contact: Causes serious eye damage.

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Ingestion: Harmful if swallowed. May cause gastrointestinal irritation.

5 Fire Fighting Measures

Suitable Extinguishing Media:

Use fire extinguishing methods suitable to surrounding conditions. Do not use full water jet.

Specific Hazards Arising from the Chemical:

Hazardous decomposition products include hydrogen.

Combustible liquid.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Rinse spill area with plenty of water.

7 Handling and Storage

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use.

Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container. Keep tightly closed when not in use. Protect from extreme temperatures. Do not store below -5 °C or above 30 °C. Keep away from strong bases and various metals. Do not store with foodstuffs. Product is corrosive to metals. Storage area should have an acid-resistant floor.

Recommended storage temperature: 5 - 25 °C.

Storage life: 3 years.

8 Exposure Controls and Personal Protection

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.**Respiratory Protection:**

Respiratory protection is not required under normal use conditions.

Use an approved vapour respirator in the event of mist or aerosol formation. See Australian Standards AS/NZS 1715 and 1716 for more information.

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Skin Protection:

Acid resistant neoprene or butyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Red
Odour:	Aromatic
Odour Threshold:	No information available
pH-Value at 20 °C:	<1
Melting point/freezing point:	-4 - 4 °C
Initial Boiling Point/Boiling Range:	~100 °C
Flash Point:	>61 °C
Flammability:	Combustible
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	Not determined.
Density at 20 °C:	1.25 g/cm ³
Vapour Density:	Not determined
Evaporation Rate:	Not determined.
Solubility in Water:	Miscible in all proportions.
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	Not determined

10 Stability and Reactivity

Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur.
May react with bases and various metals.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Extreme temperatures. Do not store below -5 °C or above 30 °C.

Incompatible Materials: Strong bases and various metals.

Hazardous Decomposition Products: Hydrogen.

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11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:		
CAS: 9043-30-5 Polyethylene glycol, isotridecyl ether		
Oral	LD ₅₀	500-2,000 mg/kg (rat)
CAS: 68424-85-1 Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides		
Oral	LD ₅₀	795 mg/kg (rat)
Dermal	LD ₅₀	1,560 mg/kg (rat)
CAS: 5329-14-6 Sulfamic acid		
Oral	LD ₅₀	3,160 mg/kg (rat)

Acute Health Effects**Inhalation:** May cause respiratory irritation and shortness of breath.**Skin:** Causes severe skin burns.**Eye:** Causes serious eye damage.**Ingestion:** Harmful if swallowed. May cause gastrointestinal irritation.**Skin Corrosion / Irritation:** Causes severe skin burns.**Serious Eye Damage / Irritation:** Causes serious eye damage.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

12 Ecological Information

Ecotoxicity: No further relevant information available.**Aquatic toxicity:**

Harmful to aquatic life with long lasting effects.

CAS: 9043-30-5 Polyethylene glycol, isotridecyl ether	
EC ₅₀ /72 h	1-10 mg/l (algae)
	1-10 mg/l (daphnia)
LC ₅₀	1-10 mg/l (golden orfe)

Persistence and Degradability: No further relevant information available.

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Bioaccumulative Potential: No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number ADG, IMDG, IATA	UN1760
Proper Shipping Name ADG, IMDG, IATA	CORROSIVE LIQUID, N.O.S. (Methanesulphonic acid, sulphamic acid)
Dangerous Goods Class ADG Class:	8 Corrosive substances.
Packing Group: ADG, IMDG, IATA	III
EMS Number:	F-A,S-B
Hazchem Code:	2X
Special Provisions:	223, 274
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01
Portable Tanks & Bulk Containers - Instructions:	T7
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP28

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 75-75-2	Methanesulphonic acid
CAS: 9043-30-5	Polyethylene glycol, isotridecyl ether
CAS: 78330-20-8	Alcohols, C9-11-iso-, C10 rich, ethoxylated
CAS: 5329-14-6	Sulfamic acid
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CAS: 64665-57-2	Sodium 4(or 5)-methyl-1H-benzotriazolide

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

16 Other Information

Date of Preparation or Last Revision: 20.09.2018**Prepared by:** MSDS.COM.AU Pty Ltd

www.msds.com.au

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Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Flammable Liquids 4: Flammable liquids – Category 4

Corrosive To Metals 1: Corrosive to metals – Category 1

Acute Toxicity (Oral) 4: Acute toxicity – Category 4

Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A

Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B

Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016”

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