



VIRTUE +

Hygienicdes 2GO

Safety Data Sheet

Phone: 1300 255 546
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Connect online
@ Virtue Plus

1 Identification

Product Name: HYGIENICDES 2GO

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Disinfectant

Details of Manufacturer or Importer:

Virtue Plus
13 Fawkner Avenue,
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

Corrosive To Metals 1

H290 May be corrosive to metals.

Skin Corrosion/Irritation 1A

H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1

H318 Causes serious eye damage.



environment

Aquatic Acute 1

H400 Very toxic to aquatic life.

Aquatic Chronic 1

H410 Very toxic to aquatic life with long lasting effects.



Acute Toxicity (Oral) 4

H302 Harmful if swallowed.

Flammable Liquids 4

H227 Combustible liquid.

Signal Word Danger

Hazard Statements

H227 Combustible liquid.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

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

P234 Keep only in original container.

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

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

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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.
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.
P390	Absorb spillage to prevent material damage.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P406	Store in corrosive resistant container /container with a corrosion resistant inner liner.
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: 68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ⚠ 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	25 - <39%
CAS: 7173-51-5	Didecyldimethylammonium chloride ⚠ Skin Corrosion/Irritation 1B, H314; Serious Eye Damage/Irritation 1, H318; ⚠ Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312	11 - <24%
CAS: 68439-46-3	Alcohols, C9-11, ethoxylated ⚠ Acute Toxicity (Oral) 4, H302; Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; Aquatic Chronic 4, H413	10 - <18%
CAS: 64-17-5	Ethanol ⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 2A, H319	1 - <10%

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.

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Symptoms Caused by Exposure:

Inhalation: May cause shortness of breath and coughing.

Skin Contact: Causes severe skin burns. Harmful in contact with skin.

Eye Contact: Causes serious eye damage.

Ingestion: Harmful if swallowed.

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 combustion products include toxic gases and vapours.

Combustible liquid.

Closed containers may explode when exposed to extreme heat. 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. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking. Spilt product may be slippery.

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 spilt material and place into a suitable container for disposal. Use only non-sparking tools. 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 container tightly closed when not in use. Protect from extreme temperatures. Do not store above 30°C. Keep away from metals. May be corrosive to metals.

Recommended storage temperature: 10 - 25 °C.

Storage life: 3 years

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 64-17-5 Ethanol**NES | TWA: 1880 mg/m³, 1000 ppm

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WES TWA: 1880 mg/m³, 1000 ppm**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:

Use an approved respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Nitrile 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:	Blue violet
Odour:	Product specific
Odour Threshold:	Not determined.
pH-Value at 20 °C:	6 - 8 (100%)
Melting point/freezing point:	~ -4 - +4 °C
Initial Boiling Point/Boiling Range:	~100 °C
Flash Point:	>65 °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:	No information available
Density at 20 °C:	~1 g/cm ³
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Completely miscible
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available
VOC:	15 %
Solids content:	0.0 %

10 Stability and Reactivity

Possibility of Hazardous Reactions:Hazardous polymerisation will not occur.
May be corrosive to metals.

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Chemical Stability: Stable at ambient temperature and under normal conditions of use.**Conditions to Avoid:** Extreme temperatures.**Incompatible Materials:** Metals.**Hazardous Decomposition Products:** Toxic gases and vapours.

11 Toxicological Information

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:****CAS: 68424-85-1 Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides**Oral LD₅₀ 795 mg/kg (rat)Dermal LD₅₀ 1,560 mg/kg (rat)**CAS: 7173-51-5 Didecyldimethylammonium chloride**Oral LD₅₀ 84 mg/kg (rat)Dermal LD₅₀ 3,342 mg/kg (rabbit)**CAS: 68439-46-3 Alcohols, C9-11, ethoxylated**Oral LD₅₀ 1,378 mg/kg (rat)Dermal LD₅₀ >2,000 mg/kg (rabbit)**CAS: 64-17-5 Ethanol**Oral LD₅₀ 7,060 mg/kg (rat)Inhalation LC₅₀/4 h 20,000 mg/l (rat)**Acute Health Effects****Inhalation:** May cause shortness of breath and coughing.**Skin:** Causes severe skin burns. Harmful in contact with skin.**Eye:** Causes serious eye damage.**Ingestion:** Harmful if swallowed.**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

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12 Ecological Information

Ecotoxicity:**Aquatic toxicity:**

Very Toxic to aquatic life with long lasting effects.

CAS: 68424-85-1 Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl,chloridesEC₅₀/48 h 0.016 mg/l (daphnia)EC₅₀/72 h 0.025 mg/l (selenastrum capricornutum)LC₅₀/96 h 0.085 mg/l (rainbow trout)**CAS: 7173-51-5 Didecyldimethylammonium chloride**EC₅₀/48 h 0.06 mg/l (daphnia)EC₅₀/96 h 0.02 mg/l (algae)EC₅₀/3 h 11 mg/l (activated sludge inhibition)LC₅₀/96 h 0.19 mg/l (fathead minnow)**CAS: 64-17-5 Ethanol**EC₅₀/48 h >10,000 mg/l (daphnia)

>100 mg/l (selenastrum capricornutum)

EC₅₀/72 h 275 mg/l (algae)LC₅₀/96 h 15,300 mg/l (fathead minnow)LC₅₀/48 h >100 mg/l (golden orfe)**Persistence and Degradability:** No further relevant information available.**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

UN1903

Proper Shipping Name
ADG, IMDG, IATADISINFECTANT, LIQUID, CORROSIVE, N.O.S.
(Didecyldimethylammonium chloride, Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl,chlorides)**Dangerous Goods Class**
ADG Class:

8 Corrosive substances.

Packing Group:
ADG, IMDG, IATA

II

Marine pollutant:Yes
Symbol (fish and tree)

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EMS Number: F-A,S-B
Hazchem Code: 2X
Special Provisions: 274
Limited Quantities: 1L
Packagings & IBCs - Packing Instruction: P001, IBC02

15 Regulatory Information

Australian Inventory of Chemical Substances:

CAS: 68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
CAS: 7173-51-5	Didecyldimethylammonium chloride
CAS: 68439-46-3	Alcohols, C9-11, ethoxylated
CAS: 64-17-5	Ethanol

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
 Poisons Schedule: 6

16 Other Information

Date of Preparation or Last Revision: 12.04.2019

Prepared by: MSDS.COM.AU Pty Ltd

www.msds.com.au

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)
 VOC: Volatile Organic Compounds
 LC₅₀: Lethal concentration, 50 percent
 LD₅₀: 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 2: Flammable liquids – Category 2
 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 Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1
 Aquatic Chronic 4: Hazardous to the aquatic environment, long-term (Chronic). Category 4

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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