

Identity (as used on label and list) Viroid: disinfectant; virucide; bactericide; fungicide for agriculture Livestock and food industry	product code d004c5.3
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Section i

Manufacturer's name cid lines belgium	Emergency telephone number (011) +32 70 245245
Address (number, street, city, state, and zip code) waterpoortstraat 2 8900 ieper belgium	Telephone number for information (011) +32 57217877
	Date prepared 6/06/2002
	Signature of preparer (optional)

Section ii – hazard ingredients / identity information

Hazardous components (specific chemical identity; common name(s))	Cas #	Osha pel	Acgih tlv	%
alkyldimethylbenzylammoniumchloride (22.6 oz)				17.7%
didecyldimethylammoniumchloride (10.4 oz)				8.1%
glutaraldehyde (14.3 oz)				11.2%

Section iii – physical / chemical characteristics

Boiling point 93°C (200°F)	Specific gravity 1.005
Vapor pressure (mm hg @ 20°C) no data available	Melting point -10°C (14°F)
Vapor density (air = 1) no data available	Evaporation rate (butyl acetate = 1) no data available
Ph concentrate: 5.0	1% dilution: 5.9

Section iii – physical / chemical characteristics (continued)

Solubility in water 100%
Appearance and odor liquid with no color and light aldehyde/citron smell.

Section iv – fire and explosion hazard data

Flash point (method used) not flammable	Flammable limits not applicable	Lel n/a	Uel n/a
Extinguishing media abc fire extinguishers (dry chemical, foam, carbon dioxide, water spray)			
Special fire fighting procedures wear proper protective equipment. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.			
Unusual fire and explosion hazards do not use a heavy water stream			

Section v – reactivity data

Stability acid	Conditions to avoid never mix with alkalis
Incompatibility (materials to avoid)	avoid contact with: strong alkalis and strong oxidizing agents
Hazardous decomposition or byproducts none under normal conditions	
Hazardous polymerization n/a	Conditions to avoid never mix with alkalis

Section vi – health hazard data

Route(s) of entry:	Inhalation? yes	Skin? yes	Ingestion? yes
Health hazards (acute and chronic) harmful by inhalation. Contact with eyes and skin causes severe burns			
Carcinogenicity:	Ntp? no	Iarc monographs? no	Osha regulated? no
Signs and symptoms of exposure <u>Inhalation:</u> cough, sore throat. Corrosive to the respiratory system. <u>Skin contact:</u> redness, pain. Causes severe burns. <u>Eye contact:</u> redness, pain, blurred vision, risk of damage to eyes. <u>Ingestion:</u> abdominal pain, nausea. Burning sensation.			
Medical conditions generally aggravated by exposure none known			
Emergency and first aid procedures <u>inhalation:</u> assure fresh air breathing. Obtain medical attention if breathing difficulty persists. <u>skin contact:</u> remove contaminated clothing and shoes. Flush with plenty of water for 15 min. Seek medical attention if ill effect or irritation develops. <u>eye contact:</u> rinse immediately with plenty of water for 15 min. Contact ophthalmologist immediately. <u>ingestion:</u> rinse mouth. <i>Do not induce vomiting because of corrosive effects.</i> If swallowed, seek medical advice immediately and show this container or label.			

Section vii – precautions for safe handling and use

Steps to be taken in case material is released or spilled
personal precautions: spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Wear suitable protective clothing and gloves.
environmental precautions: prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
after spillage and or leakage: clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers. Dilute residues with water and flush.

Waste disposal method
 use suitable disposal containers. Dilute residues and flush.

Section vii – precautions for safe handling and use (continued)

Precautions to be taken in handling and storing
 avoid all unnecessary exposure.
storage: protect from freezing. Keep at temperature not exceeding 50°C. Keep container closed when not in use.
handling: handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

Other precautions store in original packing in storage temperatures from 23°F to 93°F

Section viii – control measures

Respiratory protection (specify type) no special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

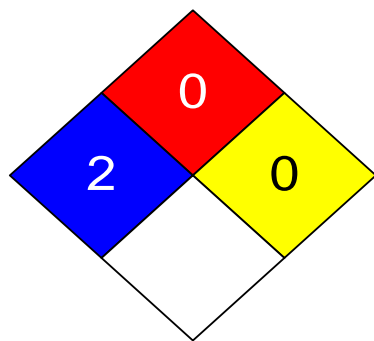
Ventilation	Local exhaust	Special
	Mechanical (general)	Other
Protective gloves	wear protective gloves	Eye protection wear safety glasses
Other protective clothing or equipment	wear protective clothing	
Work / hygienic practices	provide local exhaust or general room ventilation	

SECTION IX – TRANSPORTATION

Information when transporting
 un no. 1760
 Corrosive liquid, n.o.s. (alkyldimethylbenzylammoniumchloride, glutaraldehyde)
 Class 8
 Packing group iii

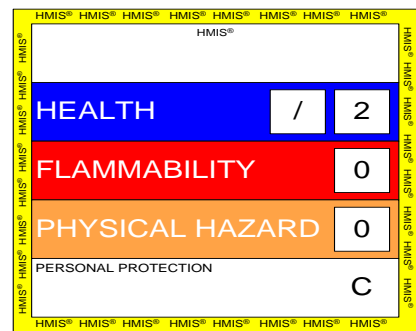
NFPA Hazard Identification Rating

(Scale 0-4, Where 4=High Degree Of Hazard)



Health:	2
Flammability:	0
Instability:	0
Special:	

HMIS Hazard Identification Rating



This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

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