

MATERIAL SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name of product: SaniWash
Company identification: ICA International Chemicals
28 Planken Street
Plankenbrug Industrial
Stellenbosch
7600
SOUTH AFRICA

2. ACTIVE INGREDIENTS & HAZARDOUS COMPONENTS

Glutaraldehyde (Cas No. 111-30-8).....70 g/L
N, N-Didecyl-N,N-dimethylammonium chloride (Cas No. 7173-51-5).....60 g/L

3. HAZARDS IDENTIFICATION

EXPOSURE LIMIT

Not established.

EYES

Direct eye contact and vapors can cause severe irritation.

INHALATION

Inhalation of mist can cause irritation of respiration tract and nasal discomfort.

SKIN

Direct skin contact may cause slight irritation.

INGESTION

Ingestion may cause immediate burning pain in the month, throat and abdomen, and swelling of larynx.

ENVIRONMENT

Toxic to aquatic organisms.

4. FIRST AID MEASURES

Skin: Remove contaminated clothing. Wash affected areas with plenty of soap and water for 15 minutes. Wash clothing before reuse.
Eye: Immediately irrigate copious quantities of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Seek medical assistance.
Ingestion: Do not induce vomiting. Give plenty of water to drink. If vomiting does occur give fluids again. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention to determine if vomiting or evacuation of stomach is necessary.
Inhaled: Remove person to fresh air. If breathing is difficult give oxygen. Get medical attention.
Note to Physician: No specific antidote. Probable mucosal damage may contraindicate the use of gastric lavage. Treatment of exposure should be direct at the control of symptoms and the clinical condition of patient.

5. FIRE-FIGHTING MEASURES

FIRE

Not considered to be a fire hazard.

EXPLOSION

Not considered to be an explosion hazard.

FIRE EXTINGUISHING MEDIA

Carbon dioxide, Dry chemical, Alcohol foam, Water

SPECIAL INFORMATION

In event of fire, wear protective clothing and NIOSH-approved self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

CONTAIN SPILL and recover the product by pumping, suction or absorption by using earth, sand, clay, sweepings material or absorbent material and store in properly labeled, sealed drums for safe disposal in an approved landfill, or bury under at least 500 mm of soil in a non-crop, non-pasture area away from water sources or homes. DO NOT burn empty containers or product and do not contaminate any water sources.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing or inhalation of product. Wear long sleeved overalls and gloves while handling. After handling and before eating, drinking or smoking wash hands, arms and face with soap and water.

Storage: Keep out reach of children in locked room. Keep away from food, drink and animal feeding stuffs. Store in original container in dry, cool well-ventilated area, out of direct sunlight.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Wear gloves, face shield or goggles, half face respirator, cotton overalls buttoned to neck and wrist. Extract vapours at their point of emission.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour: Colourless
Physical State: Liquid
pH range: 3 - 5
Boiling point: No data
Melting point: not applicable
Specific Gravity: ~1.03 kg/L at 20°C (IP 365)
Vapour Pressure: no data
Solubility in water: highly soluble in water
Flashpoint: Non-flammable
Flammability limits: Not applicable
Compatibility: Will become deactivated by concentrated Anionic compounds, Ammonia and Primary Amines.
Packaging: 1, 5, 10 and 20 litre HDPE plastic containers with screw thread cap with ratchet & cutter.

10. STABILITY AND REACTIVITY

Stable under normal conditions of use. Recommended to shake before use, especially when stored under cold conditions. Product will not polymerize. Do not mix with strong acids and alkalis.

11. TOXICOLOGY INFORMATION

Acute LD₅₀ oral (rat): greater than 2500 mg/kg.
Acute LD₅₀ dermal (rabbit): (Glutaraldehyde Technical grade) = 2.54 ml 50% a.i./kg
(DDAC Technical grade) = 3342 mg 80% a.i./kg
Eye: Irritant to eyes.
Skin: Irritant to skin.

12. ECOLOGICAL INFORMATION BASED ON THE TWO ACTIVE INGREDIENTS

Concentrate is toxic to fish. DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

Glutaraldehyde Technical Grade (50%)

Acute LC₅₀ for daphnia 10 mg/litre
Acute LC₅₀ for bluegill sunfish 18.8 mg/litre
Acute LC₅₀ for rainbow trout 24 mg/litre
Acute LC₅₀ for sheepshead minnow 64 mg/litre
LC₅₀ for bobwhite quail & mallard duck >5000 mg/litre

DDAC Technical Grade (80%)

LC₅₀ (96 h) for bluegill sunfish 0.32 mg/litre
LC₅₀ (96 h) for salmon 1.0 mg/litre
EC₅₀ (48 h) for daphnia 0.94 mg/litre
LC₅₀ oral for Bobwhite quail & mallard duck > 5620 mg/litre
LD₅₀ oral for Bobwhite quail 229 mg/litre (Technical grade)

SaniWash soil mobility is severely limited by rapid inactivation. The product is readily biodegradable and is considered environmentally acceptable.

13. DISPOSAL CONSIDERATIONS

Manufacturer's packaging must be rinsed out after emptying.
Incineration in a licenced installation, product and contaminated packaging.
Empty, rinsed punctured containers may be buried according to local recommendations.

14. TRANSPORT INFORMATION

Proper shipping name:	Corrosive Liquid, N.O.S. (Glutaraldehyde and DDAC solution)
UN Number:	UN 3265 & UN 2920
Hazard Class Of Division:	8
Danger Group:	III
Risk phrase:	R 22 (Harmful if swallowed), R36 (Irritating to eyes).

15. OTHER INFORMATION

For use as a broad spectrum Disinfectant of animal housing & farms, veterinary clinics, slaughter houses, cold storage rooms, cereal storage, food & feed transport trucks, restaurants....

This information concerns only the product conforming to its specifications and limits to the uses herein stated. This sheet complements the technical sheet of use but doesn't replace it. The information contained on this sheet is based on knowledge of the product on date of publication. It is given in good faith.