

SECTION 1 – PRODUCT IDENTIFICATION

Product Name: SALSHA-Cide™ HLD23% Glutaraldehyde
Recommended Use: Disinfectant
Restrictions for Use: Use only as directed.
Manufactured for: SALSHA INDUSTRIES
P. O Addha Village Chhabil Pur
Daska Road Sialkot, 51310, PAKISTAN

Emergency 24 Hour Phone Number +92-305 55 715 55

SECTION 2 – HAZARD(S) IDENTIFICATION

Classification

Hazard Class	Category
Acute Toxicity (inhalation)	3
Skin Irritation	2
Serious Eye Damage	1
Respiratory Sensitization	1
Skin Sensitization	1
Specific Target Organ Toxicity - Single Exposure	3



DANGER

Ratings	NPFA	HMIS
Health	0	2
Fire	0	0
Reactivity	0	0

Hazard: Toxic if inhaled. Causes skin irritation. Causes serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. May cause respiratory irritation.

Precaution: Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Wear protective gloves/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing must not be allowed out of the workplace.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.

IF SWALLOWED: N/A

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor.

Storage and Disposal: Store in a well ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/containers in accordance with local/regional/national/international regulations.

Potential Health Effects (Acute and Chronic): No data available.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	% by wt
Glutaraldehyde	111-30-8	3

The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4 – FIRST AID MEASURES

In Case of Inhalation:	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention.
In Case of Skin Contact:	In case of contact, IMMEDIATELY flush skin with plenty of water. Remove contaminate clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
In Case of Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical advice/attention.
In Case of Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data
Auto Ignition Pt:	No data.
Suitable Extinguishing Media:	Treat for surrounding material.
Fire Fighting Instructions:	Keep upwind of fire. Wear full fire fighting tun-out gear (full Bunker gear) and respiratory protection (SCBA).
Flammable Properties and Hazards:	No data available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.
Steps to Be Taken in Case Material is Released or Spilled:	Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE. Scoop up material and place in a disposal container. Provide ventilation.

SECTION 7 – HANDLING & STORAGE

Precautions to Be Taken in Handling:	Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Use only non-sparking tools. Use only outdoors or in well ventilated area.
Precautions to Be Taken in Storing:	Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Keep from freezing.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**Control Parameters****Exposure guidelines:**

Chemical Name	ACGH TLV	OSHA PEL	NIOSH IDLH
Glutaraldehyde (111-30-8)	0.05 ppm (activated and inactivated)	Not available	Not Available

Respiratory Equipment:	In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Eye Protection:	Wear approved eye protection (properly fitted dust or splash proof chemical safety goggles) and face protection (face shield).
Protective Gloves:	N/A
Other Protective Clothing:	Wear suitable protective clothing.
Engineering Controls (Ventilation etc.):	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State: Liquid	Explosive Limits: LEL: No data. UEL: No data.
Appearance and Odor: Appearance: Colorless Liquid Odor: Lemon	Vapor Pressure (vs. Air or Mm Hg): No data
pH: 4.0	Vapor Density (vs. Air=1): No data.
Melting Point: No data.	Specific Gravity (Water=1): 1.035 – 1.045
Boiling Point: No data.	Solubility in water: No data.
Flash Point: No data.	Percent Volatile: N.D.
Evaporation Rate: No data.	Auto ignition Point: No data.
Flammability (solid, gas): No data.	Viscosity: No data.
	Relative Density: 1.01

SECTION 10 – STABILITY & REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	Heat. Incompatible materials.
Incompatible-Materials to Avoid:	None known
Hazardous Decomposition Products:	May include and are not limited to: oxides of carbon.
Hazardous Reactions:	Not reactive under normal conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Likely Routes of Exposure: Inhalation, skin contact, eye contact, ingestion

Information Related to Physical, Chemical, and Toxicological Effects

See section 4 of this SDS.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: NTP: No IARC: No OSHA: No

Numerical Measures of Toxicity:

Product			
ATE (oral)	>2000 mg/kg, rat		
ATE (dermal)	>2000 mg/kg, rabbit		
ATE (inhalation)	>2.0 but ≤10.0 mg/l, rat		
Component Information			
Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Glutaraldehyde (111-30-8)	252 mg/kg (rat)	>2000 mg/kg (rabbit)	0.224 mg/l/4h (rat)

SECTION 12 – ECOLOGICAL INFORMATION

This product has no known ecotoxicological effects.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance to local, state and federal regulations.

SECTION 14 – TRANSPORT INFORMATION**Land Transport (US.DOT):**

DOT Proper Shipping Name: Compound Cleaner, Not Regulated

DOT Hazard Class:

UN/NA Number:

Air Transport (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated

Note: Classification changes based on quantity, packaging, and method of shipment. See current shipping paper for most up to date shipping information.

SECTION 15 – REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances ACT (TSCA) Chemical Substance Inventory.

California Proposition 65 WARNING. This product contains the following chemical(s) known to the state of California to cause cancer: b-Myrcene

SECTION 16 – OTHER INFORMATION

Revisions Date: 11-14-2016

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet