



MATERIAL SAFETY DATA SHEET

LO -201

IN CASE OF EMERGENCY:(021) 88007567

Trade name	: LO-201	HEALTH	1 HAZARDOUS
Descriptio	: Cooling Water Treatment	FIRE	0 WILL NOT BURN
DOT Information	: BIOCID	REACTIVITY	0 STABLE
		SPECIFIC	

SECTION 3-PHYSICAL DATA

Boiling Point (F) @ 760 mm Hg: 212
Vapor Press.(mm Hg @20 C): like water
Vapor Density(Air=1) : like water
Solubility in Water : Negligible _Slight
%volatile By Volume(%): like water
Evaporation Rate(---=1): like water

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point: None	Flammable Limits	Upper : NA
	Air (% by Volume)	
Autoignition Temperature: Nonflammable		Lower :NA
Extinguishing Medium:	Water fog-foam-CO2-dry Chemical-other NA	
Special Fire fighting Procedures: fighting Procedures:	Wear full protective clothing and use a self contained breating apparatus. Use water spray to cool fire exposed containers.	
unusual Fire And Explosion Hazards:	During a fire,irrating and/or toxic gases and aerosols from the from the decomposition/combustion products may be present. Do not allow solution to evaporate to dryness;	

SECTION 5-HEALTH HAZARD DATA

Stability:	Stable	conditions
	Unstable	To Avoid: NA
Chemical Incompatibility;	Avoid contact with oxidizing agents, reducing agents, amines and mercaptans.	
Hazardous Decomposition:	Thermal decomposition may yield oxides of carbon, sulfur, nitrogen and hydrogen chloride gas.	
Hazardous polymerization:	May occur	conditions
	Dose not occur	To Avoid:NA



SECTION 6- FIRST AID MEASURES

Threshold Limit Value :	No TLV established-LD50=457 mg/kg(rat)
Effects of Overexposure :	
Eye Contact :	May cause severe irritation and corneal injury.
Skin Contact:	May cause severe irritation. Skin irritation effects can be delayed for hours. Material is a skin sensitizer even at low concentrations in susceptible individuals.
Inhalation;	May cause irritation of mucous membranes of the nose and throat.
Ingestion :	May cause irritation and/or burns of the mucous membranes.

Emergency And First Aid Procedures :

Eye Contact :	Immediately flush eyes with large amounts of water for at least 15 minutes. Washing eyes within one minute is essential to achieve maximum effectiveness. Seek medical attention immediately.
Skin Contact ;	Immediately flush contacted area with large amounts of water.Remove contaminated clothing and wash before reuse. Get prompt medical attention.
Inhalation:	Remove subject to fresh air.If breathing becomes difficult, administer oxygen and seek medical attention.
Ingestion ;	Do not induce vomiting. Give large quantities of milk, egg white or gelatin solution.If unavailable, give large quantity of water.Avoid alcohol. Seek medical attention immediately.

SECTION 7-REACTIVITY DATA

Steps To Be Taken In Case material Is Released Or Spilled.	Contain spill. Deactivate spilled material with decontamination solution(13% calcium hypochlorite(HTH),sodium hydroxide water)Collect decontaminated material with an inert absorbent such as sand,sawdust or vermiculite. Scoop up and place in an appropriately marked container for proper disposal. Keep spill out of municipal sewers and open bodies of water. Wear recommended protective clothing and equipment.
Waste Disposal Method	Liquid should be considered for reuse.Absorbed material should stand for 48 hours in vented containers to avoid pressure buildup.It may be disposed of in a secured landfill in accordance with local,state and federal regulations.



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SECTION 8-SPILL OR LEAK PROCEDURES

ventilation Requirements

local Exhaust
Mechanical(General)
Other

Acceptable
preferred
NA

Respiratory (Specify Type)
Protection

Not required under normal handling conditions. Wear MSHA/NIOSH approved respirator if aerosol or mist is encountered.

Eye Protection

Face shield or splash proof goggles.

Hand Protection

Impermeable gloves.

Other Protective Clothing And Equipment.

Impermeable boots and coveralls or apron. Emergency eyewash and shower in workplace.

SECTION 9-SPECIAL PROTECTION INFORMATION

Precautions To Be Taken In Handling And Storing:

Protect containers from extreme temperature conditions.

Other Precautions:

Material is a strong irritant to skin and eyes. Avoid bodily contact. Worker should wash after each use and shower at end of work period. Material may be a skin sensitizer in susceptible individuals.

Hazard Rating

H

Health

3

	4= Severe
M	3= Serious
	2= Moderate
I	1=Slight
	0=Minimal

Flammability

0

Reactivity

0

Personal protection

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