

# Active Chemical Corp.

# MATERIAL SAFETY DATA SHEET

## LA-3 Cooling Water Treatment

Active Chemical Corporation  
4511 Old Lincoln Hwy.  
Oakford, Pa. 19053  
215-676-1111

MSDS No: LA-3  
Ver. No: 1  
Ver. Date: 6/22/11

**EMERGENCY NUMBERS:**  
Business Hours: 215-676-1111  
**24 Hrs. Chem Tel**  
1-800-255-3924

### SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product/Chemical Name:** LA-3  
**Product Description:** Corrosion Inhibitor  
**Chemical Name:** Mixture  
**Chemical Family:** Moderately alkaline aqueous solution.  
**Chemical Formula:** Mixture  
**CAS Registry:** Mixture  
**Other Designations:** None  
**General Use:** Corrosion Inhibitor

### SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS No</u>	<u>% Wt</u>	<u>OSHA PEL</u>
Potassium Hydroxide Solution	7732-18-5	5-9	2mg/m3 (ceiling)
1-Hydroxy Ethyldene1, 1, Diphosphonic Acid	2809-21-4	4-6	None established
1H-Benzotriazole, 4(or5)-methyl-, sodium salt	64665-57-2	2-3	None established
Tetra sodium EDTA	64-02-8	<1.0	None established
Water and proprietary ingredients		Remainder	

### SECTION 3 – HAZARDOUS IDENTIFICATION

**Health:** 2  
**Flammability:** 0  
**Reactivity:** 0  
**Special:** 0  
0 = minimal 1= slight 2=moderate 3= serious 4= severe

<b>HMIS</b>	
<b>H #</b>	2
<b>F #</b>	0
<b>R #</b>	0
<b>PPE†</b>	C
†Sec. 8	

#### Route(s) of Entry

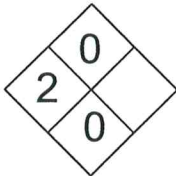
**Inhalation:** May cause irritation of respiratory system.  
**Skin:** May cause skin irritation with some individuals susceptible to sensitization.  
**Ingestion:** Moderately toxic if ingested. Can cause moderate irritation or mild burning to mouth and throat.  
**Eyes:** Can cause irritation of eyes.  
**Target Organs:** None known

<b>Effects of overexposure:</b>	Acute: - irritation to tissue. Chronic: None known.
<b>Signs and Symptoms of Exposure:</b>	Redness and/or stinging sensation in eyes or on skin. Headache and nausea may occur with some people.
<b>Medical Conditions Generally Aggravated by Long-Term Exposure:</b>	None expected.
<b>Chronic Effects:</b>	None known
<b>Carcinogenicity</b>	
<b>NTP:</b>	None Known
<b>IARC Monographs:</b>	None Known
<b>OSHA Regulations:</b>	None Known
<b>ACGIH</b>	None known

#### SECTION 4 – FIRST AID MEASURES

<b>Emergency and First Aid Procedures:</b>	<b>Eye contact:</b>	If product contacts eyes, flush immediately with water for 15 minutes. Seek medical attention
	<b>Skin contact:</b>	If product contacts skin, rinse with water for several minutes within a reasonable period of time after contact occurs.
	<b>Ingestion:</b>	Rinse mouth with water. If product is ingested, drink several glasses of water. If vomiting occurs, keep head below hips to reduce risks of aspiration. Give fluids again. Get immediate medical attention.
	<b>Inhalation:</b>	If product is inhaled, remove to fresh air. Obtain medical attention.
<b>Note to Physicians:</b>	Treat symptomatically	
<b>Special Precautions/Procedures:</b>	None known	

#### SECTION 5 – FIRE-FIGHTING MEASURES

<b>Unusual Fire Fighting procedures:</b>	None required	NFPA 
<b>Flash Point:</b>	Non flammable or combustible	
<b>Flash Point Method:</b>	Non flammable or combustible	
<b>Burning Rate:</b>	Does not burn	
<b>Auto ignition Temperature:</b>	Not available	
<b>Flammable limits in air (% by volume):</b>	Not applicable	
<b>LEL:</b>	Not applicable	
<b>UEL:</b>	Not applicable	
<b>Flammability Classification:</b>	Not flammable	
<b>Extinguishing Media:</b>	Compatible with all media	
<b>Unusual Fire or Explosion Hazards:</b>	None known	
<b>Fire-Fighting Instructions;</b>	Do not release runoff from fire control methods to sewers or waterways.	
<b>Fire-Fighting Equipment:</b>	Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece operated in pressure-demand or positive-pressure mode.	
<b>Unusual Fire Fighting procedures:</b>	Not required	

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Spill/Leak Procedures:</b>	Recover usable material by convenient method; residual may be removed by wipe or wet mop. Unusable materials may be collected by absorbents or diking. Follow all local, state and federal regulations for disposal.
<b>Small Spills:</b>	Small spills should be absorbed with a suitable inert material (sand, earth, clay, etc.). Remove the absorbed material and place in an appropriate chemical waste container for disposal.
<b>Large Spills:</b>	Large spills should be diked and pumped.
<b>Containment:</b>	For large spills, dike far ahead of liquid spill for later disposal.
<b>Regulatory Requirements:</b>	Follow applicable OSHA regulations (29 CFR 1910.120).

## SECTION 7 – HANDLING AND STORAGE

<b>Handling Precautions</b>	Wear impermeable gloves and other protective clothing to avoid prolonged or repeated skin contact. When handling, wear eye protection.
<b>Storage Requirements:</b>	May be stored in steel, HDPE or stainless steel tanks. Store at temperatures above 30°F and below 150°F.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Engineering Controls</b>	
<b>Ventilation:</b>	Provide general or local exhaust ventilation systems.
<b>Administrative Controls</b>	
<b>Respiratory Protection:</b>	Respiratory protection generally is not required. However, if the product is used at elevated temperatures sufficient to generate vapors/mist, use a NIOSH approved organic vapor and gas respirator with mist filter.
<b>Protective Clothing/Equipment:</b>	Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles.
<b>Work and Hygienic Practices:</b>	No special requirements. Wash or rinse hands before touching eyes or contact lenses, and before eating.
<b>Safety Stations:</b>	Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
<b>Contaminated Equipment:</b>	Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.
<b>Comments:</b>	Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and odor:</b>	Yellow to brown. Slight celery like odor.
<b>Boiling Point (760 mm Hg):</b>	215°F±2°.
<b>Freezing/Melting Point:</b>	30°F
<b>Specific Gravity (water =1):</b>	1.10
<b>Vapor Density (air =1):</b>	<1
<b>Percent Volatile by Volume:</b>	NIL
<b>Evaporation Rate (butyl acetate =1):</b>	<1
<b>Solubility in Water (% by wt):</b>	100%
<b>Vapor Pressure (at 20°C):</b>	10mm Hg.
<b>pH:</b>	10-11

## SECTION 10 – STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Polymerization:</b>	Hazardous polymerization cannot occur.
<b>Chemical Incompatibilities:</b>	None
<b>Conditions to Avoid:</b>	Avoid contact with strong acids and strong oxidizers
<b>Hazardous decomposition products:</b>	This product does not burn, but if involved in a fire small quantities of carbon and phosphorus oxides can be generated in extreme conditions.

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Eye Effects:</b>	Damaging to eyes
<b>Skin Effects:</b>	Can be irritating to skin upon prolonged contact
<b>Acute Inhalation Effects:</b>	Significant vapors are only generated at elevated temperatures; may irritate nose and respiratory system.
<b>Acute Oral Effects:</b>	Can cause irritation to mouth, throat and stomach
<b>Chronic Effects:</b>	None known
<b>Carcinogenicity:</b>	None known
<b>Mutagenicity:</b>	Not mutagenic
<b>Teratogenicity:</b>	Not Teratogenic

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	48 Hr. LC50- 2732.8ppm (Ceriodaphnia Dubia)
<b>Environmental Fate:</b>	Decomposes to carbon, oxygen, phosphorus and water.
<b>Environmental Degradation:</b>	Biodegradable
<b>Soil Absorption/Mobility:</b>	Not determined

## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Waste disposal method:</b>	Sanitary landfill or incinerate in approved facilities in accordance with local, state and federal regulations.
<b>Disposal Regulatory Requirements:</b>	This product, if unused, does not meet the RCRA criteria for being identified as a hazardous waste by characteristics.
<b>Container Cleaning and Disposal:</b>	Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

## SECTION 14 – TRANSPORT INFORMATION

<b>DOT Shipping Name:</b>	Non Regulated
<b>Shipping Symbols:</b>	Not applicable
<b>Hazard Class:</b>	Not applicable
<b>DOT Identification No.:</b>	Not regulated
<b>Packing Group:</b>	Not applicable
<b>Label:</b>	Not applicable
<b>Special Provisions (172.102):</b>	Not applicable
<b>Packaging Authorizations</b>	
a) Exceptions:	Not applicable
b) Non-bulk Packaging:	Not applicable
c) Bulk Packaging:	Not applicable
<b>Quantity Limitations</b>	
a) Passenger, Aircraft, or Railcar:	Not applicable

b) Cargo Aircraft Only:	Not applicable
<b>Vessel Stowage Requirements</b>	
a) Vessel Stowage:	Not applicable
b) Other:	Not applicable

**SECTION 15 – REGULATORY INFORMATION**

**EPA Regulations**

RCRA Hazardous Waste Number and RCRA Hazardous Waste Classification:	Unused product is not classified as a hazardous waste by RCRA criteria
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CERCLA Hazardous Substance and CERCLA Reportable Quantity:	Potassium Hydroxide-1000lbs. All other ingredients not listed as a CERCLA hazardous substance.
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SARA Toxic Chemical and SARA EHS:	Not subject to reporting under SARA Title III Section 313.
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<b>OSHA Regulations:</b>	Hazardous chemical as defined by the OSHA Hazard Communication Standard.
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<b>State Regulations:</b>	Non-Haz.
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**SECTION 16 – OTHER INFORMATION**

**Disclaimer: THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH AND FROM SOURCES WE BELIEVE RELIABLE. BUT NO WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS IS MADE.**

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This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not apply.

**CONSULT ACTIVE CHEMICAL CORPORATION FOR FURTHER INFORMATION.**