

MATERIAL SAFETY DATA SHEET

Wausau Chemical Corporation, 2001 N. River Drive, Wausau, WI 54403

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Emergency CHEMTREC 800-424-9300
Phones: Wausau Chemical 715-842-2285

HMIS Hazard

4 - Extreme	Health	2
3 - High	Fire	0
2 - Moderate	Reactivity	1
1 - Slight	Other	
0 - Least		

SECTION 1 - MATERIAL IDENTIFICATION

NAME: **LIKWID-15**
SYNONYMS: Sodium Hypochlorite Solution

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS CHEMICAL	CAS #	PERCENT	PEL/TWA	SARA III, SEC 313
Sodium Hypochlorite	7681-52-9	10-10.5%	NE	NO
Sodium Hydroxide	1310-73-2	~1%	2 mg/m3	NO
Water	007732-18-5	~88.5-89.0%	NA	NO

SECTION 3 - CHEMICAL AND PHYSICAL PROPERTIES

Appearance: Light straw yellow to greenish tinge	Boiling Point (°F):	Decomposes
Odor: Strong chlorine odor	Freezing Point (°F):	ND
pH: 12.5 - 13.5	Specific Gravity (H ₂ O=1):	1.180
Water solubility: Complete	Vapor Pressure, mm Hg, 20°C:	NA
Vapor Density (air=1): NA	Volatile Organic (VOC) content:	NA
Evaporation Rate (Butyl Acetate = 1) NA		

SECTION 4 - FIRE AND EXPLOSION HAZARDS

Flash Point (Method): NA Explosive Limits: Lower Upper

Flammable Limits: Auto Ignition Temperature:

Extinguishing Media: Water Fog

Special Fire Fighting Procedures and Hazards:

Use NIOSH certified gas mask with canister for chlorine or use self-contained breathing apparatus

Unusual Fire & Explosion Hazards: Material is a strong oxidizer; contact with combustibles may initiate or promote combustion. Acid and heat accelerate decomposition. Decomposition products may include chlorine.

SECTION 5 - REACTIVITY INFORMATION

Stable: X Unstable: Hazardous Polymerization: Occurs: Does not Occur: X

Conditions to Avoid: High temperatures, exposure to light, traces of catalytic metals (nickel, copper, iron, cobalt, magnesium), excess alkalinity.

Materials to Avoid: Acids or reducible materials will create poisonous chlorine gas.

Decomposition Products: Poisonous chlorine gas.

SECTION 6 – HEALTH HAZARDS – PROTECTIVE MEASURES – FIRST AID

Carcinogen: Not a carcinogen

EYES: Extreme irritant to the eyes. Use chemical goggles when handling. In the event of contact flush with water for 15 minutes. Get immediate medical attention if symptoms develop.

SKIN: Corrosive to the skin. Use neoprene gloves and rubber apron. In the event of contact wash for 15 minutes with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops.

INHALATION: Inhalation of fumes is extremely irritating to the mucous membranes. Get to fresh air. Use adequate ventilation when using this product.

INGESTION: Ingestion causes extreme irritation to membranes of mouth, throat and will cause stomach pain and ulceration. DO NOT INDUCE VOMITING. Drink large quantities of milk or gelatin solution if available otherwise water. Get medical attention immediately.

IN ALL CASES: GET PROMPT MEDICAL ATTENTION IF EFFECTS PERSIST

PRIMARY ROUTES OF ENTRY: Skin, eyes, and inhalation, ingestion

HYGIENE: Wash hands and face before eating or drinking. Wash soiled clothing before wearing again if contact occurs.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING, STORAGE AND USE

SPILLS AND LEAKS: Contain if possible. Dilute with large quantities of water. Keep to windward when exposed to fumes.

STORAGE AND HANDLING: Most metals are rapidly attacked by sodium hypochlorite. Store in well-ventilated, cool, dark area. UV light should be excluded during storage. Vented caps should be used.

WASTE DISPOSAL: In accordance with local, state and federal regulations.

EMPTY CONTAINERS: Rinse with water. Make sure caps and bungs are tight. Send to a recycler or return to Wausau Chemical Corporation.

SECTION 8 – REGULATORY INFORMATION

DOT SHIPPING DESCRIPTION: Hypochlorite solution, (Sodium Hypochlorite), 8, UN1791, PG III or Consumer Commodity ORM-D packaged in gallons or smaller, maximum of 66 pounds/package.

LABEL REQUIRED: Corrosive or Consumer Commodity ORM-D

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