

Safety Data Sheet

HYDRICLEAR 1010

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Issue date: 3/14/2000

Revision date: 9/17/2025

SECTION 1: Identification

Identification

Product Name : HYDRICLEAR 1010
Product code : WT1010
CAS-No. : MIXTURE
Synonyms : B-92083
Recommended use : No additional information available.
Restrictions on use : No additional information available.

Supplier

Hydrite Chemical Co.
17385 Golf Parkway
Brookfield, WI, 53045
T 262-792-1450

Emergency telephone number

EMERGENCY RESPONSE NUMBERS:
24 Hour Emergency #: 1-800-283-4459
CHEMTREC Emergency #: (800) 424-9300

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS US classification

Serious eye damage/eye irritation, Category 2A
Hazardous to the aquatic environment — Chronic Hazard, Category 1

GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US) : Warning

Hazard statements (GHS US) : Causes serious eye irritation
Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS US)

Prevention : Wash hands, forearms and face thoroughly after handling.
Avoid release to the environment.
Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

Response : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice or attention.
Collect spillage.

Disposal : Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

Hazards not otherwise classified

Hazards not otherwise classified : May be corrosive to certain metals.

Hazards associated with known or reasonably anticipated uses

No additional information available.

Unknown acute toxicity

Unknown acute toxicity : 50% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3: Composition/Information on ingredients

Substances/ Mixtures

Name	CAS-No.	%	GHS US classification
ALUMINUM CHLOROHYDRATE	12042-91-0	< 60	Met. Corr. 1, H290 Acute Tox. 4 (Inhalation:dust,mist), H332 Aquatic Acute 1, H400

Note: Any chemical identity and/or exact percentage not expressly stated is being withheld as a trade secret or is due to batch variation.

SECTION 4: First-aid measures

Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice.
First-aid measures after inhalation : If inhaled: Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.
First-aid measures after skin contact : If on skin: Flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention.
First-aid measures after eye contact : If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.
First-aid measures after ingestion : If swallowed: Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause respiratory irritation.
Symptoms/effects after skin contact : May cause slight irritation to the skin. Cracking of the skin.
Symptoms/effects after eye contact : Eye irritation. redness. pain.
Symptoms/effects after ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Immediate medical attention and special treatment, if necessary : No specific antidote known. Treat symptomatically.

SECTION 5: Fire-fighting measures

Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products	: Toxic fumes may be released. chlorinated compounds.
Firefighting instructions	: Evacuate personnel to a safe area. Do not enter fire area without proper protective equipment, including respiratory protection. Stay upwind/keep distance from source. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Do not exceed the occupational exposure limits (OEL).
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate spillage area.

Environmental precautions

Environmental precautions	: Avoid release to the environment. Notify authorities if product enters sewers or public waters.
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Methods and material for containment and cleaning up

For containment	: Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.
Methods for cleaning up	: Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal.
Other information	: Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

Precautions for safe handling

Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Ground all equipment and containers before opening to prevent accumulation of static charge.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Keep cool. Protect from sunlight.
Incompatible materials	: Keep away from incompatibles. Refer to Section 10 on Incompatible Materials.
Storage temperature	: No additional information available.
Heat-ignition	: Keep away from all sources of ignition.
Packaging materials	: Do not store in unlabeled or mislabeled containers. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

Control parameters

Component	ACGIH	OSHA
ALUMINUM CHLOROHYDRATE	1 mg/m ³ TWA (respirable particulate matter)	No data available

Section 8 Notes : * Exposure Limit for Aluminum Insoluble Compounds (ACGIH).

Appropriate engineering controls

Appropriate engineering controls : General room ventilation is required. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.

Individual protection measures/Personal protective equipment

Personal protective equipment : Wear recommended personal protective equipment. Provide readily accessible eye wash stations and safety showers.

Hand protection : Protective gloves. Chemical-resistant. Impervious.

Eye protection : Wear safety glasses with side shields while handling this product. Wear additional eye protection such as chemical safety goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material.

Skin and body protection : Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Rubber Apron. Rubber boots

Respiratory protection : Respiratory protection may be required to avoid overexposure when handling this product. If exposure limits are exceeded, wear: NIOSH-Approved respirator for dusts and mists. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

Other information : Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state : Liquid

Color : Colorless.

Odor : No odor.

pH : 2.5 – 5 (as is)

Melting point : 10 – 30 °F

Freezing point : No data available

Crystallization (Salt Out) Temperature : No data available

Boiling point : No data available

Flash point : No data available

Flammability (solid, gas) : Not applicable.

Vapor pressure : No data available

Relative vapor density at 20°C : No data available

Particle characteristics : No data available

Relative density : 1.09 – 1.44

Solubility : Soluble.

Partition coefficient n-octanol/water (Log Pow) : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosion limits : No data available

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Explosive properties : No data available
Oxidizing properties : No data available

SECTION 10: Stability and reactivity

Information on stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
Conditions to avoid : Keep away from heat, sparks and flame.
Incompatible materials : metals such as: aluminum. ferrous metals. zinc.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified.

Numerical measures of toxicity

Component	Oral LD50	Dermal LD50	Inhalation LC50
ALUMINUM CHLOROHYDRATE	Rat: 9187 mg/kg	Rat:> 2000 mg/kg	Rat (Dust/Mist): 1 – 5 mg/l

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Symptoms/effects after inhalation : May cause respiratory irritation.
Symptoms/effects after skin contact : May cause slight irritation to the skin. Cracking of the skin.
Symptoms/effects after eye contact : Eye irritation. redness. pain.
Symptoms/effects after ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information : No additional information available.

SECTION 12: Ecological information

Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

HYDRICLEAR 1010 (MIXTURE)

LC50 - Fish [1]	> 400 mg/l P. promelas (fathead minnow), 96 hour
EC50 - Crustacea [1]	400 mg/l C. dubia, 48 hour
NOEC chronic fish	< 25 mg/l P. promelas, 7 day (growth); < 25 mg/L P. promelas, 7 day (survival)

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HYDRICLEAR 1010 (MIXTURE)

NOEC chronic crustacea	25 mg/l C. dubia, 7 day (reproduction); 200 mg/L C. dubia, 7 day (survival)
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Persistence and degradability

No additional information available.

SECTION 13: Disposal considerations

Disposal methods

Waste treatment methods	: Dispose of in accordance with all local, state and federal regulations.
Additional information	: Do not re-use empty containers. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Since emptied containers retain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport information

Modes of transport

DOT (Department of Transportation):

Not regulated by the DOT.

IMDG (International Maritime Dangerous Goods Code):

Not regulated by the IMDG.

IATA (International Air Transport Association):

Not regulated by the IATA.

Other transport information

No additional information available.

SECTION 15: Regulatory information

US Federal regulations

TSCA (Toxic Substances Control Act)

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory or are exempt from TSCA Inventory requirements.

SARA313 (Superfund Amendments and Reauthorization Act – Section 313)

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

US State regulations

No additional information available.

International regulations

No additional information available.

SECTION 16: Other information

Hazard Rating System

Health: 1
Flammability: 0
Physical: 0

NFPA Rating System

NFPA health hazard: 1
NFPA fire hazard: 0
NFPA reactivity: 0

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Indication of changes: Change(s) made in section 12.

SDS Prepared by: EP

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