

SAFETY DATA SHEET

HYDRI-CHILL FG

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 3/7/2017

Revision date: 3/15/2024

SECTION 1: Identification

Identification

Product Name : HYDRI-CHILL FG
Product code : HC0060
CAS-No. : MIXTURE
Synonyms : No additional information available
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 #: (414) 277-1311
CHEMTREC Emergency #: (800) 424-9300

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS US classification

This product is not classified as defined by OSHA 29 CFR 1910.1200.

GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

Hazards not otherwise classified

Hazards not otherwise classified : May be harmful or fatal if swallowed and enters airways. Excessive exposure may cause central nervous system effects.

Unknown acute toxicity (GHS US)

Unknown acute toxicity (GHS US) : 2% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

SECTION 3: Composition/Information on ingredients

Substances/ Mixtures

Name	Product identifier	%	GHS US classification
PROPYLENE GLYCOL	CAS-No.: 57-55-6	≥ 75	Not classified

Name	Product identifier	%	GHS US classification
DIPOTASSIUM PHOSPHATE	CAS-No.: 7758-11-4	1 – 5	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H335

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

*This material is considered not hazardous as defined by OSHA 29 CFR 1910.1200. While this material is not classified as a health hazard under OSHA regulations, this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

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. Give 2-4 glasses of water to drink.

Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: No hazard expected under normal use. Mists may irritate: upper respiratory tract. May cause irritation to the respiratory tract. Cough. Shortness of breath.
Symptoms/effects after skin contact	: May cause moderate irritation.
Symptoms/effects after eye contact	: May cause moderate irritation.
Symptoms/effects after ingestion	: No hazard expected under normal use. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into the lungs may occur during ingestion or vomiting, resulting in severe pulmonary injury.
Immediate medical attention and special treatment, if necessary	: Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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	: Material will not burn unless preheated. Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, can burn in open air or explode if confined. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Fine sprays / mists may be combustible at temperatures below normal flash point. Spills of these organic materials on hot fibrous insulations may lead to lowering of the autoignition temperatures possibly resulting in spontaneous combustion.
Explosion hazard	: No direct explosion hazard. Prolonged exposure to fire may cause containers to rupture/explode.

Hazardous decomposition products	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Phosphorus oxides. Potassium oxides.
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. Move containers from fire area if it can be done without personal risk.
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. CAUTION: Spilled material may be slippery.

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	: 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. Wear personal protective equipment. Ground all equipment and containers before opening to prevent accumulation of static charge.
Handling temperature	: Minimum feasible handling temperatures should be maintained.
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. Store in dry protected location to prevent any moisture contact. Store at temperatures below 104 °F.
Incompatible materials	: Keep away from incompatibles. Refer to Section 10 on Incompatible Materials.
Heat-ignition	: Keep away from all sources of ignition.
Packaging materials	: Do not store in unlabeled or mislabeled containers. Keep container tightly closed. Do not use aluminum equipment for storage and/or transfer.

SECTION 8: Exposure controls/personal protection

Control parameters

Component	ACGIH	OSHA
DIPOTASSIUM PHOSPHATE	No data available	No data available

Control parameters		
Component	ACGIH	OSHA
PROPYLENE GLYCOL	No data available	No data available

Appropriate engineering controls

Appropriate engineering controls	: General room ventilation is required. Local exhaust ventilation is recommended when vapors, mists, or dusts can be released. Use explosion-proof ventilation equipment. Maintain adequate ventilation. Avoid creating dust or mist. Do not use in closed or confined spaces. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.
Environmental exposure controls	: Avoid release to the environment.

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.
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. Do not wear contact lenses
Skin and body protection	: Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Chemical resistant safety shoes
Respiratory protection	: If vapors, mists or spray is present, wear: NIOSH-Approved air-purifying respirator with: Organic vapor cartridge. Dust/mist filter. NIOSH-Approved Supplied Air Respirator (SAR). 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	: Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use. 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	: Clear. Colorless.
Odor	: No odor.
Odor threshold	: No data available
pH	: 9.91 (as is)
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 225 °F TCC
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.0485 @ 25 °C
Solubility	: Complete.
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

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Explosion limits : No data available
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. Avoid ignition sources. Keep out of direct sunlight. May decompose at high temperature. Generation of gas during decomposition can cause pressure in closed systems.
Incompatible materials : Strong oxidizing agents. Strong acids. Strong bases. aluminum. food sugars.
Hazardous decomposition products : Carbon dioxide. Carbon monoxide. aldehydes. alcohols. Ethers. ketones. organic acids. Toxic vapors. 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
DI POTASSIUM PHOSPHATE	Mouse: 1700 mg/kg	Rabbit: > 5000 mg/kg	No data available
PROPYLENE GLYCOL	Rat: 20 g/kg	Rabbit: 20800 mg/kg	Rat: > 44.9 mg/l air

ATE Values: HYDRI-CHILL FG (MIXTURE)

ATE US (oral)	85000 mg/kg
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Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Likely routes of exposure : Skin and eye contact. Inhalation. Ingestion.
Symptoms/effects : No additional information available
Symptoms/effects after inhalation : No hazard expected under normal use. Mists may irritate: upper respiratory tract. May cause irritation to the respiratory tract. Cough. Shortness of breath.
Symptoms/effects after skin contact : May cause moderate irritation.
Symptoms/effects after eye contact : May cause moderate irritation.

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Symptoms/effects after ingestion	: No hazard expected under normal use. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into the lungs may occur during ingestion or vomiting, resulting in severe pulmonary injury.
Medical Conditions Aggravated by Exposure	: Eye disorders. Skin disorders. Respiratory system disorders.
Other information	: No additional information available

SECTION 12: Ecological information

Toxicity

No additional information available

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.

Environmental hazards

Other information	: No supplementary information available.
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SECTION 15: Regulatory information

US Federal regulations

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

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.

International Regulations

No additional information available

US State regulations

No additional information available

SECTION 16: Other information

Hazard Rating System

Health: 0
Flammability: 1
Physical: 0

NFPA Rating System

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

Abbreviations and acronyms

HAP	Hazardous Air Pollutant
VOC	Volatile Organic Compound
STEL	Short Term Exposure Limit
TWA	Total Average Weight
RQ	Reportable Quantity

Revision date: 3/15/2024

Supersedes: 3/10/2017

Issue date: 3/7/2017

Reason for Revision: Changes made throughout the SDS.New format.

SDS Prepared by: EP

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which HYDRITE CHEMICAL CO. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.