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EREZTECH LLC

SAFETY DATA SHEET

Section 1. Identification

Product Name: [Tetrakis\(N,N-diethylaminoxy\)hafnium](#)
Product Type: Liquid
CAS Number: 717122-78-6
Product Number: HF2786
Product Manufacturer: Ereztech LLC
11555 Medlock Bridge Road, Suite 100
Johns Creek, GA 30097
Product Information: (888) 658-1221
In Case of an Emergency: CHEMTREC: 1-800-424-9300 (USA);
+1 703-527-3887 (International); CCN836180
*** Contact manufacturer for all non-emergency calls.

Section 2. Hazards Identification

Appearance/Odor: Yellow liquid, odor not determined.
Classification: FLAMMABLE LIQUIDS - Category 3, H226
SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER,
EMIT FLAMMABLE GASES – Category 2, H261
ACUTE TOXICITY, ORAL – Category 4, H302
ACUTE TOXICITY, DERMAL – Category 4, H312
SKIN CORROSION/IRRITATION - Category 2, H315
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A, H319
ACUTE TOXICITY, INHALATION – Category 4, H332
SPECIFIC TARGET ORGAN TOXICITY, SINGLE EXPOSURE;
RESPIRATORY TRACT IRRITATION – Category 3, H335
HAZARDOUS TO THE AQUATIC ENVIRONMENT, CHRONIC
TOXICITY – Category 2, H411

GHS Label Elements

Signal Word:

DANGER

Hazard Statements:

H226: Flammable liquid and vapor.
H261: In contact with water releases flammable gas..
H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.

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Section 2. Hazards Identification

Hazard Statements:

- H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H411: Toxic to aquatic life with long lasting effects.

Hazard Pictograms:



Precautionary Statements

Prevention:

- P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P223: Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P231: Handle under inert gas.
P232: Protect from moisture.
P233: Keep container tightly closed.
P240: Ground/Bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing fumes/mists/vapors/sprays.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

- P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P303 + P353 + P361: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P330: Rinse mouth.

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Section 2. Hazards Identification

Response (cont.):	P332 + P313: If skin irritation occurs: Get medical advice/attention. P334 + P335: Brush off loose particles from skin and immerse in cool water/wrap in wet bandages. P337 + P313: If eye irritation persists: Tet medical advice/attention. P362: Take off contaminated clothing and wash before reuse. P370 + P378: In case of fire: Use CO ₂ , dry chemical or alcohol resistant foam for extinction. P391: Collect spillage.
Storage:	P402 + P404: Store in a dry place. Store in a closed container. P403 + P233 + P235: Store in a well-ventilated place. Keep container tightly closed. Keep cool. P405: Store locked up.
Disposal:	P501: Dispose of contents/ container to an approved wasted disposal plant.
General:	None.
OSHA/HCS Status:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Hazards Not Otherwise Classified (HNOC):	None known.

Section 3. Composition/Information on Ingredients

Substances

Synonyms	: Hafnium tetrakis N,N-diethylhydroxylamide
Formula	: C ₁₆ H ₄₀ N ₄ O ₄ Hf
CAS-No.	: 717122-78-6

Ingredient Name	%	CAS Number
Tetrakis(N,N-diethylaminooxy)hafnium	≥ 98	717122-78-6

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First Aid Measures

Description of Necessary First Aid Measures

General Advice: Move out of dangerous area. Call a POISON CENTER or doctor/physician immediately if symptoms develop or if you feel unwell. Show this safety data sheet to the doctor in attendance.

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Section 4. First Aid Measures

- Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue rinsing. Seek medical attention if eye irritation develops and persists.
- Skin Contact:** Take off contaminated clothing and shoes immediately. Wash off contaminated skin with soap and plenty of water. Seek medical attention if irritation develops and persists, if symptoms develop or if you feel unwell.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Call a physician or POISON CONTROL CENTER if symptoms develop or if you feel unwell.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Remove dentures if any. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Call a physician or POISON CONTROL CENTER if symptoms develop or if you feel unwell.

Most Important Symptoms/Effects, Acute and Delayed Potential Acute Health Effects

- Eye Contact:** Symptoms may include stinging, tearing, redness, swelling and blurred vision.
- Inhalation:** Product may be irritating to respiratory system and is harmful if inhaled. Symptoms may include coughing, sneezing with phlegm production, sore throat, nausea, headache, vomiting.
- Skin Contact:** Product is harmful in contact with skin. Symptoms may include an itching or burning sensation, reddening, swelling and blistering with tissue necrosis.
- Ingestion:** Product is harmful if ingested. Symptoms may include cramping, localized pain, headache, nausea and vomiting.

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

- Notes to Physician:** Treat symptomatically.
- Specific Treatments:** No specific treatment.
- Protection of First Responders:** No action taken shall be taken involving any personal risk without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See Toxicological Information (Section 11)

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Section 5. Fire Fighting Measures

General Hazards:

Product reacts violently with water to release flammable liquids/gases. Flammable liquid and vapor. If product is heated or involved in a fire, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Fire may produce irritating and/or toxic gases.

Suitable Extinguishing Media:

THE MOST EFFECTIVE FIRE EXTINGUISHING AGENT IS DRY CHEMICAL POWDER PRESSURIZED WITH NITROGEN. Vermiculite, sand, dry chemical or carbon dioxide (CO₂) may also be used. Fight larger fires with alcohol resistant foam. CAUTION: PRODUCT MAY REIGNITE.

Unsuitable Extinguishing Media:

DO NOT USE WATER OR FOAM as product reacts to produce flammable liquids/gases upon contact with water.

Unusual Fire and Explosion Hazards:

This material reacts with water and compounds containing active hydrogen such as alcohols and acids to produce flammable liquids and gases. In case of fire, reignition of the product may occur after the fire has been extinguished. Product runoff to sewer may create a fire or explosion hazard. Vapors and gases produced are heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to an ignition source and flashback.

Product of Combustion:

Decomposition products include carbon oxides (CO_x), nitrogen oxides (NO_x) and hafnium oxide fumes. Irritating fumes and organic acid vapors may be generated during exposure to elevated temperatures or open flame.

Protection of Firefighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Avoid contact with skin or eyes. Avoid breathing sprays, mists, vapors and gases.

Eliminate all local and distant ignition sources. Move containers from fire area if process can be accomplished without risk to firefighters. Do not cut, grind, drill or weld on or near product containers (even empty) of this product because an explosion may result.

Fire-fighters should wear appropriate protection equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

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Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Remove all ignition sources. Prevent unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid the formation and inhalation of sprays, mists, vapors and fumes. Provide adequate ventilation. Wear respiratory protection. Put on appropriate personal protective equipment.

For Emergency Responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For Non-Emergency Personnel".

Environmental Precautions: Do not allow dispersal of spilled material and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for Containment

General: Spilled material will likely give off smoke and fumes. Eliminate all local and distant ignition sources. Move containers from spill area if safe to do so. Avoid allowing the spilled material to get wet or using water to clean up spillages or residues. Use spark-proof tools and explosion-proof equipment.

Small Spill: Contain and collect spillage with a dry, non-combustible absorbent material (e.g. sand, earth, vermiculite or diatomaceous earth) and place in dry, sealed container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor.

Large Spill: Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with a dry, non-combustible absorbent material (e.g. sand, earth, vermiculite or diatomaceous earth) and place in dry, sealed container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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Section 7. Handling and Storage

Precautions:

Product is moisture sensitive; handle under a dry, inert gas. Nitrogen with less than 5 ppm each of moisture and oxygen is recommended. Keep away from all sources of ignition – NO SMOKING. Keep container tightly sealed. Avoid contact with skin, eyes and clothing. Avoid the formation and inhalation of sprays, mists, vapors and gases. Do not ingest. Avoid prolonged exposure. Ensure adequate ventilation.

Protective Measures:

Protect against electrostatic charges. Use explosion-proof electrical/ventilating/lighting/handling equipment. Use only non-sparking tools and equipment. Put on appropriate personal protective equipment (see Section 8). Keep in the original container kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

General Occupational Hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Safe Storage Conditions:

Product is moisture sensitive; store under an inert gas. Nitrogen with less than 5 ppm each of moisture and oxygen is recommended. Store refrigerated at 2 – 8 °C. Keep away from all sources of ignition – NO SMOKING. Store in original container protected from direct sunlight in a dry and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Store locked up.

Section 8. Exposure Controls/Personal Protection

Introductory Remarks:

These recommendations provide general guidance for handling this product. Because work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and conduct regular repairs. Waste from these procedures should be handled in accordance with Section 13.

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Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

List	Components	CAS-No.	Type	Value
ACGIH	Tetrakis(N,N-diethylaminoxy)hafnium	717122-78-6	TLV	0.5 mg/m ³ as Hf TWA
NIOSH	Tetrakis(N,N-diethylaminoxy)hafnium	717122-78-6	REL	0.5 mg/m ³ as Hf TWA
OSHA	Tetrakis(N,N-diethylaminoxy)hafnium	717122-78-6	PEL	0.5 mg/m ³ as Hf TWA

Engineering Controls:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. Provide an eyewash/shower station.

Environmental Exposure Controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual Protection Measures

Hygiene Measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Remove all soiled and contaminated clothing immediately. Wash before reuse. Do not inhale sprays, mists, vapors or gases. Avoid contact with eyes and skin. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to sprays and mists. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles, faceshield (8-inch minimum). Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN166.

Skin Protection

Hand Protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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Section 8. Exposure Controls/Personal Protection

Hand Protection (cont.):

If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Chemical-resistant gloves.

Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. For full contact, wear Neoprene or nitrile rubber gloves.

Other Skin Protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

Physical State:	Liquid.
Color:	Yellow.
Odor:	No data available.
Odor Threshold:	No data available.
pH:	No data available.
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	No data available.
Auto-ignition temperature:	No data available.
Flammability:	Flammable liquid.
Specific Gravity:	No data available.
Vapor Pressure:	No data available.
Vapor Density:	No data available.
Water Solubility:	Reacts violently with water to produce N,N-diethylhydroxylamine.

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Section 9. Physical and Chemical Properties

Evaporation Rate: No data available.

Viscosity: No data available.

Section 10. Stability and Reactivity

Reactivity: This product reacts violently with water and compounds containing active hydrogen such as alcohols and acids to release flammable liquids and gases.

Chemical Stability: This product is stable when stored under a dry, inert atmosphere and away from heat. Nitrogen containing less than 5 ppm each moisture and air and a temperature range of 2 – 8 °C is recommended. This product is not sensitive to impact.

Conditions to Avoid: Exposure to water/moisture, sources of ignition (heat, flames, sparks, electrostatic discharge), extremes of temperature and direct sunlight.

Incompatible Materials: Water, compounds containing active hydrogen (alcohols, acids) and strong oxidizing agents.

Hazardous Decomposition Products In contact with water, product releases flammable liquids and gases. Hazardous decomposition products formed under fire conditions: carbon oxides (CO_x), nitrogen oxides (NO_x) and hafnium oxide fumes. Irritating fumes and organic acid vapors may be generated during exposure to elevated temperatures or open flame. In the event of a fire: see section 5.

Possibility of Hazardous Reactions: Under normal conditions of storage and use noted above, hazardous reactions will not occur. Hazardous reactions or instability may occur under certain conditions of storage or use. Product reacts violently with water to release flammable liquids and gases.

Section 11. Toxicological Information

Information on Toxicological Effects

- | | |
|-------------------------------|--|
| Acute Toxicity | : No specific data available. Product is harmful if inhaled, ingested or in contact with skin. |
| Irritation/Corrosion | : No specific data available. Product causes skin irritation and serious eye irritation. |
| Sensitization | : No specific data available. |
| Germ Cell Mutagenicity | : No effects known. |

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Section 11. Toxicological Information

Carcinogenicity

- IARC** : No component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH** : No component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.
- NTP** : No component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
- OSHA** : No component of this product present at levels greater than 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

Reproductive Toxicity

- : This product is not expected to cause reproductive or developmental effects.

Teratogenicity

- : No specific data available.

Specific Target Organ Toxicity (Single Exposure)

- : Respiratory tract irritation.

Specific Target Organ Toxicity (Repeat Exposure)

- : No specific data available.

Aspiration Hazard

- : No specific data available.

Information on the Likely Routes of Exposure

- : Common routes of exposure: inhalation, dermal (failure to use skin protection), eye (failure to use safety eyewear). Less common: ingestion (failure to employ recommended hygiene measures (e.g. smoking or eating after handling product without washing hands or using hand protection)).

Additional Information

- : To the best of our knowledge, the chemical, physical and toxicological properties of this product have not been thoroughly investigated.

Section 12. Ecological Information

Numerical Measures of Toxicity

- Toxicity to Fish** : No specific data available.
- Toxicity to Daphnia and Other Aquatic Invertebrates** : No specific data available.
- Toxicity to Algae** : No specific data available.

Persistence and Degradability

- Biodegradability** : No specific data available.

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Section 12. Ecological Information

- Bioaccumulative Potential** : No specific data available.
- Mobility in Soil** : No specific data available.
- Other Adverse Effects** : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13. Disposal Considerations

Waste Treatment Methods

- Product** Dispose of in accordance with local, state, and federal regulations. Refer to 40 CFR 260-299 for complete waste disposal regulations. Consult your local, state, or federal agency before disposing of any chemicals.
- Contaminated Packaging** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Dispose of as unused product. **DO NOT EXPOSE SUCH CONTAINERS TO SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.**

Section 14. Transport Information

	DOT	IMDG	IATA
UN Number	UN 3399	UN 3399	UN 3399
UN Proper Shipping Name	Organometallic substance, liquid, water-reactive, flammable, n.o.s. (tetrakis(N,N-diethylaminooxy)hafnium)	ORGANOMETALLIC SUBSTANCE, LIQUID, WATER-REACTIVE, FLAMMABLE, N.O.S. (Tetrakis(N,N-diethylaminooxy)hafnium)	Organometallic substance, liquid, water-reactive, flammable, n.o.s. (tetrakis(N,N-diethylaminooxy)hafnium)
Transport Hazard Classes	4.3 (3)	4.3 (3)	4.3 (3)
Packing Group	II	II	II
Environmental Hazards	Yes	Yes	Yes
Additional Information	-	EMS: F-G, S-N	-

- Special Precautions for User** : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

- Transporting in Bulk According to Annex II of MARPOL 73/78 and the IBC Code** : Not applicable.

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Section 15. Regulatory Information

TSCA (Toxic Substance Control Act):

This product is not listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory). Use of this product is restricted to research and development only. This product must be used under the supervision of a technically qualified individual as defined by the TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes.

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Fire Hazard (Flammable liquid; In contact with water emits flammable gas), Acute Health Hazard (Acute toxicity – ingestion, inhalation, dermal; Skin corrosion or irritation; Serious eye damage or eye irritation; Specific Target Organ Toxicity (STOT), single exposure: respiratory irritation).

Massachusetts Right to Know Components

	CAS-No.	Revision Date
Hafnium	7440-58-6	

Pennsylvania Right to Know Components

	CAS-No.	Revision Date
Hafnium	7440-58-6	

New Jersey Right to Know Components

	CAS-No.	Revision Date
Hafnium	7440-58-6	

California Proposition 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other Information

National Fire Protection Association (U.S.A.)



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Section 16. Other Information

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

HMIS Rating

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	2

History

Date of Printing : 9/15/2020

Date of Issue/Date of Revision : 9/15/2020

Date of Previous Issue : None

References : None available

Abbreviations and Acronyms

ACGIH: American Conference of Governmental Industrial Hygienists.

ATE: Acute Toxicity Estimate

CAS: Chemical Abstracts Service (division of the American Chemical Society).

DOT: US Department of Transportation.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

HMIS: Hazardous Materials Identification System.

HNOC: Hazards Not Otherwise Classified.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA).

IDLH: Immediately Dangerous to Life or Health (US National Institute for Occupation Health and Safety (NIOSH)).

IMDG: International Maritime Code for Dangerous Goods.

NFPA: National Fire Protection Association.

NIOSH: National Institute of Occupational Safety and Health.

NTP: National Toxicology Program.

OSHA: Occupational Safety and Health Administration.

PEL: Permissible Exposure Limits.

REL: Recommended Exposure Limits.

SARA: Superfund Amendments and Reauthorization Act.

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Section 16. Other Information

Abbreviations and Acronyms

STOT: Specific Target Organ Toxicity.
TLV: Threshold Limit Values (ACGIH).
TWA: Time Weighted Average.
VOC: Volatile Organic Compound.

Disclaimer

The information herein is believed to be accurate and is presented in good faith; however, no warranties or representations are made by Ereztech LLC regarding the accuracy or completeness of the information. Ereztech LLC shall not be liable for any damages resulting from the handling, or from the contact with the above product.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

