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SAFETY DATA SHEET

Section 1. Identification

Product Name: <u>Tris(methylcyclopentadienyl)yttrium</u>

Product Type: Solid

CAS Number: 329735-72-0

Product Number: Y5720

Recommended Use: Laboratory chemicals, synthesis of substances.

Uses Advised Against: This product is being supplied under the TSCA R&D Exemption (40

CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless

appropriate consent is granted in writing by Ereztech LLC.

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 crystals, odor not determined.

Classification: FLAMMABLE SOLID – Category 2, H228

SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER,

EMIT FLAMMABLE GASES – Category 2, H261 SKIN CORROSION/IRRITATION - Category 2, H315

SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A, H319 SPECIFIC ORGAN TOXICITY, SINGLE EXPOSURE; RESPIRATORY

TRACT IRRITATION - Category 3, H335

GHS Label Elements
Hazard Pictograms:



Section 2. Hazards Identification

Signal Word: DANGER

Hazard Statements: H228: Flammable solid.

H261: In contact with water releases flammable gas.

H315: Causes skin irritation.

H319: Causes serious eye irritation. H335: May cause respiratory irritation.

Precautionary Statements

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P223: Do not allow contact with water.

P231 + P232: Handle and store contents under inert gas. Protect from moisture.

P240: Ground and bond container and receiving equipment. P241: Use explosion-proof equipment (electrical/ventilating/lighting/processing).

P261: Avoid breathing dusts/aerosols/vapors/gases.

P264 + P265: Wash hands and exposed skin thoroughly after handling. Do not touch eyes.

P271: Use only outdoors or with adequate ventilation.

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection/hearing protection.

P302 + P335 + P334: IF ON SKIN: Brush off loose particles from skin and immerse in cool water.

P302 + P352: IF ON SKIN: Wash with plenty of water.

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P319: Get medical help if you feel unwell.

P332 + P317: If skin irritation occurs: Get medical help.

P334 + P335: Brush off loose particles from skin and immerse in cool water/wrap in wet bandages.

P337 + P317: If eye irritation persists: Get medical help.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P370 + P378: In case of fire: Use CO₂ or dry chemical to extinguish.

P402 + P404: Store in a dry place. Store in a closed container.

P403 + P233: Store in a well ventilated place. Keep container tightly closed.

P405: Store locked up.

Response:

Storage:

Section 2. Hazards Identification

P501: Dispose of contents/container in accordance with federal, **Disposal:**

state and local regulations.

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard

Communication Standard (29 CFR 1910.1200).

Reacts with water to release a flammable liquid/gas **Hazards Not Otherwise**

Classified (HNOC): (n-methylcyclopentadiene).

Section 3. Composition/Information on Ingredients

Mono-constituent. **Substance Type:**

 $Y(MeCp)_3$. Synonyms: Formula: $C_{18}H_{21}Y$

Molecular Weight: 326.27 g/mol EC-No.: 630-916-1

Component Name	%	CAS Number
Tris(methylcyclopentadienyl)yttrium	> 98	329735-72-0

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

Move out of dangerous area. If unconscious, place in recovery position and get **General Advice:**

> medical help immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical help if symptoms develop or if you feel unwell. Show this safety data sheet to the doctor in attendance.

Immediately flush eyes with plenty of water, occasionally lifting the upper and **Eye Contact:**

lower eyelids. Check for and remove any contact lenses if easy to do. Continue

rinsing. Get medical help if eye irritation develops and persists.

Skin Contact: Take off contaminated clothing and shoes immediately. Wash off contaminated

skin with plenty of water. Get medical help if irritation develops and persists, if

symptoms develop or if you feel unwell.

Inhalation: Remove person to fresh air and keep 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. Get medical help if

symptoms develop or if you feel unwell.

Section 4. First Aid Measures

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. Get medical help 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. Symptoms may include

coughing, sneezing with phlegm production, sore throat, nausea, headache,

vomiting.

Skin Contact: Symptoms may include an itching or burning sensation, reddening, swelling and

blistering with tissue necrosis.

Ingestion: Product may be expected to be irritating to mucous membranes. Symptoms may

include cramping, localized pain, headache, nausea and vomiting.

<u>Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary</u>

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)

Section 5. Fire Fighting Measures

General Hazards: Product reacts with air, moisture and water to produce a

flammable gas (n-methylcyclopentadiene).

Suitable Extinguishing Media: THE MOST EFFECTIVE FIRE EXTINGUISHING AGENT IS DRY

CHEMICAL POWDER PRESSURIZED WITH NITROGEN.

Carbon dioxide (CO2) may also be used.

Unsuitable Extinguishing Media: DO NOT USE WATER OR FOAM as product reacts to produce

extremely flammable vapors upon contact with water.

Unusual Fire and This material reacts with water and compounds containing

Explosion Hazards: 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.

Section 5. Fire Fighting Measures

Product of Combustion: Carbon oxides (CO_X) and yttrium oxides. 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 dusts,

aerosols, vapors and gases.

Eliminate all local and distant ignition sources. Move containers from fire area if process can be accomplished without risk to firefighters. To reduce the possibility of explosion, use a water spray or fog to reduce direct vapors and to cool unopened containers. Do not cut, grind, drill or weld on or near product containers (even empty) of this

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

product because an explosion may result.

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. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Evacuate surrounding areas. Keep unnecessary and unprotected

personnel from entering. Do not touch or walk through spilled material. Avoid the formation and inhalation of dusts, aerosols,

vapors and gases. 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).

Section 6. Accidental Release Measures

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. Prevent the formation and inhalation of dusts, aerosols, vapors and gases. 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. In the event of combustion: cover spillage with a dry, extinguishing material (e.g. dry sand, dry chemical, graphite powder) and allow time for decomposition or for fire to burn out (see Section 5 Firefighting Measures). Collect and place inert spillage in a dry, sealed container for disposal. Dispose of collected spillage in accordance with federal, state and local regulations. Contaminated binding material may pose the same hazard as the spilled product.

Small Spill:

Large Spill:

Collect spillage with a dry, non-combustible, binding material (e.g. dry sand, vermiculite or diatomaceous earth) and place in dry, sealed container for disposal.

Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with a dry, non-combustible, binding material (e.g. dry sand, vermiculite or diatomaceous earth) and place in dry, sealed container for disposal.

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

Section 7. Handling and Storage

Precautions:

Product reacts with water to release flammable gases; 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. Avoid the formation and inhalation of dusts, aerosols, vapors and gases. Keep container tightly sealed. Avoid contact with skin, eyes and clothing. Do not ingest. Ensure adequate ventilation.

Protective Measures:

Protect against electrostatic discharges. Use explosion-proof equipment. Use 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.

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Section 7. Handling and Storage

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 reacts with water to release flammable gases; store under an inert gas. Nitrogen with less than 5 ppm each of moisture and oxygen and a temperature range of 2 – 8 °C is recommended. 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 noted above 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. 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.

Occupational Exposure Limits:

Product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Controls:

Properly operating explosion-proof, 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.

Section 8. Exposure Controls/Personal Protection

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. Do not inhale dusts or aerosols. 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 dusts and aerosols. 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. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Chemicalresistant 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. When there is a risk of ignition from static electricity, wear anti-static, flame retardant protective clothing.

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Section 8. Exposure Controls/Personal Protection

Other Skin Protection (cont.): For the greatest protection from static discharges, clothing

should include anti-static overalls, boots and gloves.

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: Crystals. Color: Yellow.

Odor:

pH:

No data available.

No data available.

Melting Point:

No data available.

No data available.

No data available.

Flash Point:

Flammability (solid):

No data available.

No data available.

Relative Density: No data available.

Water Solubility: Insoluble. Reacts with water to produce a flammable liquid/gas

(n-methylcyclopentadiene).

Section 10. Stability and Reactivity

Reactivity:This product reacts with water and compounds containing

active hydrogen such as alcohols and acids to produce a

flammable gas.

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.

Conditions to Avoid: Exposure to water/moisture, sources of ignition (heat, flames,

sparks, electrostatic discharge), extremes of temperature and

direct sunlight.

Incompatible Materials: Air/water/moisture, halogens, mineral acids, strong oxidizing

agents.

Section 10. Stability and Reactivity

Hazardous Decomposition Products:

In contact with water, product releases a highly flammable gas. Hazardous decomposition products formed under fire conditions: carbon oxides, nmethycyclopentadiene and yttrium oxide particles and fumes. 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 with air, moisture and water to produce a flammable liquid/gas (nmethylcyclopentadiene).

Section 11. Toxicological Information

ī	Information	on	Tovico	logical	Effocts
	mormation	OH	IOXICO	logica	LHECUS

Acute Toxicity

Irritation/Corrosion

Sensitization

Germ Cell Mutagenicity

Carcinogenicity

IARC

: No specific data available.

: Causes skin irritation and serious eye irritation.

No specific data available.

: No specific data available.

: 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

Teratogenicity

Specific Target Organ Toxicity

(Single Exposure)

Aspiration Hazard

Specific Target Organ Toxicity

(Repeated Exposure)

: No specific data available.

No specific data available.

Inhalation – May cause respiratory tract irritation.

No specific data available.

No specific data available.

Section 11. Toxicological Information

Information on the Likely **Routes of Exposure**

: Common routes of exposure: inhalation (failure to prevent dust formation), dermal (failure to use skin protection), eye (failure to use safety eyewear). Less common: ingestion (failure to employ recommended hygiene measures (e.g. smoking 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

Ecotoxicity

Component	CAS No	Test	Species	Dose	Exposure
N-methylcyclopentadiene	26472-00-4	LC50	Pimephales promelas (fathead minnow)	20.6 mg/l	96 h
		EC50	Pseudokirchneriella subcapitata (green algae)	0.42 mg/l	72 h

Persistence and Degradability

Biodegradability

: N-methylcyclopentadiene: 98%, aerobic – exposure time

28 d)

Readily biodegradable - OECD Test Guideline 301C

Bioaccumulative Potential

Mobility in Soil

Results of PBT and vPvB Assessment

: No specific data available.

: No specific data available.

: PBT/vPvB assessment not available as chemical safety

assessment not required/not conducted.

Endocrine Disrupting Properties

Other Adverse Effects

: No specific data available.

: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Nmethylcyclopentadiene that is released when product is

in contact with water is very toxic to aquatic life.

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 (dusts, aerosols and/or vapor) and can be dangerous. Dispose of as unused product. DO NOT EXPOSE SUCH CONTAINERS TO MOISTURE, HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Section 14. Transport Information

	DOT	IMDG	IATA	
UN Number	UN3396	UN3396	UN3396	
UN Proper Shipping Name	Organometallic substance, solid, water-reactive, flammable Tris(methylcyclopenta- dienyl)yttrium	ORGANOMETALLIC SUBSTANCE, SOLID, WATER-REACTIVE, FLAMMABLE Tris(methylcyclopenta- dienyl)yttrium	Organometallic substance, solid, water-reactive, flammable Tris(methylcyclopenta- dienyl)yttrium	
Transport Hazard Classes	4.3(4.1)	4.3(4.1)	4.3(4.1)	
Packing Group	GIND CH	FMICHAI	s A P #	
Environmental Hazards	-	-	-	
Additional Information	-	EMS-No: 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.

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.

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Section 15. Regulatory Information

SARA 302 Components

This product does not contain any components which are subject to the reporting requirements of SARA Title III, Section 302 EHS TPQ.

SARA 304 Components

This product does not contain any components which are subject to the reporting requirements of SARA Title III, Section 304 RQ.

SARA 311/312 Hazards

Fire Hazard (Flammable Solid), Reactive Hazard (In contact with water releases flammable gas), Acute Health Hazard (Skin corrosion or irritation; Serious eye damage or eye irritation; Specific Target Organ Toxicity (STOT), single exposure: respiratory irritation).

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.

Clean Water Act

Not applicable.

Clean Air Act

Not applicable.

CERCLA Reportable Quantity

This product does not contain any chemical components with known CAS numbers with a CERCLA Reportable Quantity.

US State Right-to-Know Listings

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Tris(methylcyclopenta- dienyl)yttrium	INGC	H E M	I C Ā L	G A P	s —

X - Listed.

US State Chemicals of High Concern Listings

Component	Maine	Vermont	Washington
Tris(methylcyclopentadienyl)yttrium	-	-	-

X – Listed.

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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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	1
FLAMMABILITY	2
PHYSICAL HAZARD	1

History

: 12/9/2024. Date of Issue/Date of Revision : 12/9/2021. **Date of Previous Issue**

: None available. References

Abbreviations and Acronyms

ACGIH : American Conference of Governmental Industrial Hygienists. ATF : Acute Toxicity Estimate (per Chapter 3.1 of GHS 10 standard).

BEI Biological Exposure Indices (ACGIH).

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

CLP : Classification, Labeling and Packaging (European Union (EU)).

: US Department of Transportation. DOT

EC No. : The EC Inventory (EINECS, ELINCS and the NLP-list is the source of the seven digit

EC number, an identifier of substances commercially available with the EU (European

Union).

EINECS : European Inventory of Existing Commercial Chemical Substances.

EHS Extremely Hazardous Substance.

Section 16. Other Information

Abbreviations and Acronyms (cont.)

ELINCS : European List of Notified Chemical Substances.

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

HAP : Hazardous Air Pollutants (Clean Air Act).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.

IP : Intraperitoneal. IV : Intravenous.

NFPA : National Fire Protection Association.

NIOSH : National Institute of Occupational Safety and Health.

NSRL : No Significant Risk Levels. NTP : National Toxicology Program.

OECD : Organization for Economic Co-Operation and Development.

OEL : Occupational Exposure Limit.

OSHA : Occupational Safety and Health Administration.

PBT : Persistent Bioaccumulative and Toxic.

PEL : Permissible Exposure Limits.
REL : Recommended Exposure Limits.

RQ : Reportable Quantity.

SARA : Superfund Amendments and Reauthorization Act.

STEL (ST) : Short Term Exposure Limit (ACGIH/NIOSH)

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

vPvB : Very Persistent and Very Bioaccumulative.

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.