

requiring prompt medical attention.

Eye contact:

May cause eye irritation with discomfort, tearing or blurring of vision.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

4. FIRST AID MEASURES

Potential Exposure:

Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen and seek medical attention.

Eye contact:

Flush with copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention.

Skin contact:

Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. If irritation persists or other symptoms are observed, seek medical advice.

Ingestion:

Rinse out mouth and drink lots of water. Seek medical attention.

Notes to Physicians

Activated charcoal mixture may be beneficial. Suspend 50 g activated charcoal in 400 mL water and mix well. Administer 5 mL/kg, or 350 mL for an average adult. Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should only be used with special caution in situations of emergency life support.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash point:

110.8 °C (closed cup)

Autoignition temp:

N/A

Flammability:

N/A

Extinguishing Medium:

Use fire-fighting measures which suit the environment and take into account other materials which may be involved. In general, water-based extinguishers should not be used for fires involving organic materials. Use carbon dioxide or dry powder.

Protective Equipment:

Wear self-contained breathing apparatus and protective clothing.

Hazardous Products of Combustion May Include:

Carbon monoxide, carbon dioxide, hydrogen fluoride (hydrofluoric acid), hydrogen iodide (hydroiodic acid). These products may cause severe eye, nose, and throat irritation or toxic effects.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection:	Wear protective equipment including rubber gloves, and eye protection. Evacuate personnel to safe areas.
Environmental Protection:	Take precautions to ensure product does not contaminate the ground or enter the drainage system.
Spill Clean-Up	Mix with vermiculite or proprietary absorbent material and transfer to sealed containers for disposal.

7. HANDLING AND STORAGE

Safe Handling:	Avoid formation of respirable particles. Do not breathe vapors or spray mist. Wash hands immediately after handling the product. Advice on protection against fire and explosion: do not spray on a naked flame or any other incandescent material.
Storage:	Store in tightly sealed containers in a cool, well-ventilated place. Protect from light.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls	Keep container tightly closed. Use only with adequate ventilation. Do not aerosolize or spray. Prevent leaks in high-pressure systems that could create fine mists.
Personal Protective Equipment	
Eye/face protection:	Wear coverall chemical splash goggles. Additionally, wear a face shield where the possibility exists for face contact due to splashing or spraying of material.
Respirators:	Where there is potential for airborne exposures, wear NIOSH approved air supplied respiratory protection.
Protective clothing:	Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, jacket, hood and boots.
Exposure Guidelines	
Exposure limits:	Perfluorododecyl iodide PEL (OSHA): None Established TLV (ACGIH): None Established AEL* (DuPont): 10 mg/m ³ , 8 hour TWA
Other applicable exposure limits:	Iodine PEL (OSHA): 0.1 ppm, 1 mg/m ³ , Ceiling TLV (ACGIH): Ceiling 0.1 ppm, 1.0 mg/m ³ 545.96 ppm, A4, 8 Hr. TWA STEL 0.1 A4 Iodides 0.1 mg/m ³ , 8 Hr. TWA, A4 AEL* (DuPont): None established

*AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

9. PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight	745.99 g/mol
pH	Acidic
Boiling Point	132 °C @ 34 mm Hg
Melting Point	95-98 °C
Vapor Pressure	N/A
Vapor Density	>1 (air = 1)
Saturated Vapor Conc.	N/A
Density	1.935 g/mL
Color	Colorless solid; turns pink on exposure to light
Odor Threshold	N/A
Flash Point	110.8 °C (closed cup)
Explosion Limits	N/A
Flammability	N/A
Refractive Index	1.312
Solubility in Water	Negligible

N/A = not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable at normal temperatures and storage conditions.
Incompatibility with Other Materials	None reasonably foreseeable.
Decomposition	Decomposes with heat. Decomposition temperature: > 250 °C (> 482 °F) Hazardous decomposition products including carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, throat, and lung irritation or toxic effects. Decomposes when exposed to UV light.
Polymerization	Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Route Of Exposure	
RTECS Number:	Not listed
Acute Toxicity	
LD50:	No data available
Skin irritation:	No data available
Eye irritation:	No data available
Human Experience:	Excessive exposures may affect human health as follows:
Inhalation:	Lungs: cough, shortness of breath. Symptoms may be delayed.

Skin contact: Irritation, discomfort, rash.
Eye contact: Excessive lachrymation, blurred vision, discomfort, irritation.
Ingestion: Nausea, weakness, and disturbance.

12. ECOLOGICAL INFORMATION

No data available.

General: Prevent chemicals from entering the ground, water courses, or drainage system.

13. DISPOSAL CONSIDERATIONS


Disposal Operations: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14. TRANSPORTATION INFORMATION

Mode	DOT/IMDG/IATA
UN Number	None. Non-hazardous for transport.
Class (Subsidiary)	None. Non-hazardous for transport.
Proper Shipping Name	None. Non-hazardous for transport.
Hazard Label (Subsidiary)	None. Non-hazardous for transport.
Packing Group	None. Non-hazardous for transport.
Shipping Hazard Label	None. Non-hazardous for transport.

15. REGULATORY INFORMATION

EU Additional Classification

Symbol of danger:	
Indication of danger:	Irritant (Xi)
R:	36/37/38
Risk statements:	Irritating to eyes, respiratory system and skin.
S:	26-36
Safety statements:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US Classification And Label Text

Indication of danger:	Irritant.
Risk statements:	Irritating to eyes, respiratory system and skin.
Safety statements:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear

suitable gloves and eye / face protection.

United States Regulatory Information

SARA Listed: No

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes

NDSL: No

16. OTHER INFORMATION

HMIS (Hazardous Materials Identification System) Ratings

(scale 0-4)

Health (acute effects) = 1

Flammability = 1

Reactivity = 1

Legal Disclaimer:

For R&D use only. Not for drug, household, or other uses. The previous information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations or mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. Unless noted to the contrary, the technical information applies only to pure product.

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End of MSDS