

Safety Data Sheet

FC10-08

3-Chloro-4-Fluorobenzotrifluoride

Revised November 10, 2016

1. PRODUCT AND COMPANY IDENTIFICATION

Material Identification

Product name: 3-Chloro-4-fluorobenzotrifluoride Chemical names: 3-Chloro- $\alpha, \alpha, \alpha, 4$ -tetrafluorotoluene

Catalog number:FC10-08Chemical formula: $C_7H_3ClF_4$

Company Identification

Distributor: Fluoryx Labs

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USA

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2. HAZARDS IDENTIFICATION

Emergency Overview Irritating to eyes and skin on contact. Inhalation

causes irritation of the lungs and respiratory system.

HMIS Classification

Health Hazard: 1 Flammability: 0 Physical hazards: 0

NFPA Rating

Health Hazard: 1 Fire: 0 Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract

irritation.

Skin May be harmful if absorbed through skin. May cause

skin irritation.

Eyes May cause eye irritation. **Ingestion** May be harmful if swallowed.

3. COMPOSITION AND INFORMATION ON COMPONENTS

FC10-08 SDS			
Material	Molecular Weight	EINECS Number	CAS Number
3-Chloro-4-fluorobenzotrifluoride	198.54	Not available	78068-85-6
4. FIRST AID MEASURES			
General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.		
If inhaled	If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.		
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.		
In case of eye contact	Flush eyes with water as a precaution.		
If swallowed	Induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.		
5. FIRE-FIGHTING MEASURES			
Flammable properties	Flash point: none below the boil - closed cup		
Ignition temperature	No data available		

Special protective equipment for fire-fighters

Suitable extinguishing media

Wear self contained breathing apparatus for fire fighting

For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

if necessary.

Further information Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Avoid breathing vapors, mist or gas. Vapors can

accumulate in low areas.

Environmental precautions Do not let product enter drains.

Methods for cleaning up Contain spillage, and then collect with non-combustible

absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling Avoid inhalation of vapor or mist.

Storage Keep container tightly closed in a dry and well-ventilated

place. Containers that are opened must be carefully

resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

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).

Hand protection For prolonged or repeated contact use protective

gloves.

Eye protection Face shield and safety glasses

Skin and body protectionChoose body protection according to the amount and

concentration of the dangerous substance at the work

place.

Hygiene measures Handle in accordance with good industrial hygiene and

safety practice. Wash hands before breaks and at the

end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

AppearanceClear liquidColorColorlessOdorNot reportedMelting PointNot available

Boiling Point 138 °C (760 mm Hg)

Decomposition Temperature No data

Flash Point None below the boil

Ignition TemperatureNot availableLower Explosion LimitNot availableVapor PressureNot availableSpecific Gravity/Density1.43 g/cm³ at 25 °CRefractive Index1.4355 @ 20 °C

Vapor Density (Air = 1) 6.88

pH (5% solution)

Not available

Solubility in water

Not available

10. STABILITY AND REACTIVITY

Storage stability Stable under recommended storage conditions.

Conditions to avoid Open flames

Materials to avoid Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire

conditions. - carbon oxides, hydrogen chloride gas,

hydrogen fluoride.

Hazardous reactions None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity May be harmful if swallowed, inhaled, or absorbed

through skin

Irritation and corrosion No data available

Sensitization No data available

Chronic exposure IARC: No component of this product present at levels

greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or

anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure To the best of our knowledge, the chemical, physical,

and toxicological properties have not been thoroughly

investigated.

Potential Health Effects

Inhalation May cause respiratory tract irritation.

SkinMay cause skin irritation.EyesMay cause eye irritation.IngestionMay be harmful if swallowed.

Additional Information No data available

12. ECOLOGICAL INFORMATION

Elimination information

(persistence and degradability)No data availableEcotoxicity effectsNo data availableFurther information on ecologyNo data available

13. DISPOSAL CONSIDERATIONS

Product Recycle to process, if possible. Consult your local

regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local

regulations when disposing of the substance.

Contaminated packaging Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

IMDG

Nonhazardous for transportation

Nonhazardous for transportation

Nonhazardous for transportation

15. REGULATORY INFORMATION

TSCA Chemical Inventory (EPA)

This compound is on the EPA Toxic Substances Control

Act (TSCA) inventory list.

WHMIS Classification (Canada) Not available EINECS Number Not available

EECC Risk Statements

R36/37/38- Irritating to eyes, respiratory system and

skin.

Japanese Regulatory Data

ENCS No. (3)-4051

16. OTHER INFORMATION

Legal Disclaimer:

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