



Material Safety Data Sheet

Company: DALCHEM, MOSKOVSKOE SHOSSE, 85, Nizhny Novgorod, 603000, RUSSIA
TEL: + 7 (8312) 753-772, FAX: +7 (8312) 750-799

SECTION 1: Product Identification

Product name	Trifluoromethyl iodide
CAS #	2314-97-8
Catalog #	0091900
Chemical family	Halogenated Hydrocarbons

SECTION 2: Composition, Information on Ingredients

Component	%	CAS #	EINECS #	Hazard Symbol	R-Phrase
Trifluoromethyl iodide	-	2314-97-8	none	H280, H341	-

SECTION 3: Hazard Identification

Emergency overview	Contains gas under pressure; may explode if heated. Suspected of causing genetic defects.
Eye contact	May cause eye irritation.
Skin contact	May be harmful if absorbed through skin. May cause skin irritation.
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Chronic health effects	Not available.

SECTION 4: First Aid Measures

Eye exposure	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin exposure	Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Inhalation	Remove from exposure to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, pain, etc. In such cases seek immediate medical assistance.
Ingestion	Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

SECTION 5: Fire Fighting Measures

General information	Not flammable or combustible. If this material is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.
Extinguishing media	Use water spray to cool unopened containers.

SECTION 6: Accidental Release Measures

Spill and leak procedures	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
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SECTION 7: Handling and Storage	
Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
SECTION 8: Exposure Controls and Personal Protection	
Eye protection	Always wear approved safety glasses when handling a chemical substance in the laboratory.
Skin protection	Wear protective gloves.
Ventilation	Always handle material in an efficient fume hood.
Respirator	If ventilation is not available a respirator should be worn. The use of respirators requires Respirator Protection Program to be in compliance with 29CFR 1910.134.
SECTION 9: Physical and Chemical Properties	
Appearance	Colorless liquid/gas
Odor	No data
Melting point	78 °C (172 °F) - lit.
Boiling point	-22.5 °C (-8.5 °F) - lit.
Flash point	No data
Solubility in water	No data
Specific gravity	No data
Molecular formula	CF ₃ I
Molecular weight	195.91
SECTION 10: Stability and Reactivity	
Stability	Stable under recommended storage conditions.
Hazardous polymerization	No hazardous polymerization
Conditions to avoid	No data available
Incompatibilities with other materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides, Hydrogen fluoride, Hydrogen iodide
SECTION 11: Toxicological Information	
RTECS Data	CAS# 2314-97-8 unlisted.
Carcinogenic effects	No data available.
Mutagenic effects	No data available.
Teratogenic effects	No data available.
SECTION 12: Ecological Information	
Ecological information	No information available.
SECTION 13: Disposal Considerations	
Dispose of in a manner consistent with federal, state, and local regulations.	

SECTION 14: Transport Information	
Shipping name (CFR)	Compressed gas, n.o.s. (Trifluoriodomethane)
Hazard class (CFR)	2.2
Additional hazard class (CFR)	-
Packing group (CFR)	-
UN ID number (CFR)	1956
Shipping name (IATA)	Compressed gas, n.o.s. (Trifluoriodomethane)
Hazard class (IATA)	2.2
Additional hazard class (IATA)	-
Packing group (IATA)	-
UN ID number (IATA)	1956
SECTION 15: Regulatory Information	
TSCA	Not listed in the TSCA inventory
SARA	Not reportable under SARA Title 313.
SECTION 16: Other Information	
Preparation date	30.08.2012
Revision date	30.08.2012
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