

Safety Data Sheet M049203 according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 10/30/2020 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form :	Substance
Substance name :	Indium trifluoride
CAS No :	7783-52-0
Product code :	M049-2-03
Formula :	F3In
Other means of identification :	MFCD00016149
1.2. Relevant identified uses of the substa	nce or mixture and uses advised against
Use of the substance/mixture :	Laboratory chemicals Manufacture of substances Scientific research and development
1.3. Details of the supplier of the safety da	ta sheet
SynQuest Laboratories, Inc. P.O. Box 309 Alachua, FL 32615 - United States of America T (386) 462-0788 - F (386) 462-7097 info@synquestlabs.com - www.synquestlabs.com	
1.4. Emergency telephone number	
Emergency number :	(844) 523-4086 (3E Company - Account 10069)
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mix	ture
Classification (GHS-US)	
Skin Irrit. 2 H315 - Causes skin irritation	
Eye Irrit. 2A H319 - Causes serious eye irritation STOT SE 3 H335 - May cause respiratory irritation	
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US) :	A
	GHS07
Signal word (GHS-US) :	Warning
Hazard statements (GHS-US) :	H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation
Precautionary statements (GHS-US) :	 P261 - Avoid breathing dust, mist, spray P264 - Wash skin thoroughly after handling P271 - Use only outdoors or in a well-ventilated area P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+P352 - If on skin: Wash with plenty of soap and 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 P312 - Call a POISON CENTER or doctor/physician if you feel unwell P321 - Specific treatment (see supplemental first aid instructions on this label) P332+P313 - If skin irritation occurs: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse P403+P233 - Store in a well-ventilated place. Keep container tightly closed P405 - Store locked up P501 - Dispose of contents/container to an approved waste disposal plant

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2.3. **Other hazards**

Other hazards not contributing to the : Contact with acids liberates toxic gas. Contact with water liberates toxic gas.

classification

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients 3.1. Substance Substance type Mono-constituent

Substance type	: Mono	-constituent		
Name		Product identifier	%	Classification (GHS-US)
Indium trifluoride (Main constituent)		(CAS No) 7783-52-0	<= 100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Full text of H-phrases: see section 16				
3.2. Mixture				
Not applicable				
SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	where	se of accident or if you feel unwell e possible). Move the affected per	sonnel away from the	e contaminated area.
First-aid measures after inhalation		ove person to fresh air and keep c ation. Get immediate medical adv		ning. If not breathing, give artificial
First-aid measures after skin contact	: Wash	with plenty of soap and water. G	et immediate medica	I advice/attention.
First-aid measures after eye contact		diately flush eyes thoroughly with nt and easy to do. Continue rinsir		minutes. Remove contact lenses, if edical advice/attention.
First-aid measures after ingestion		OT induce vomiting. Never give an out with water. Get immediate m		
4.2. Most important symptoms and effe	cts, both	acute and delayed		
Symptoms/injuries		nost important known symptoms a nd/or in section 11.	and effects are descr	ibed in the labelling (see section
4.3. Indication of any immediate medica	al attentio	n and special treatment needed		
Treat symptomatically.				
SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media	: Dry p	owder. Use extinguishing media a	ppropriate for surrou	Inding fire.
5.2. Special hazards arising from the su				<u> </u>
Fire hazard		nal decomposition generates: Hyd	Irogen fluoride. Ceriu	ım oxides.
5.3. Advice for firefighters		1 0 ,	5	
Firefighting instructions	· In cas	se of fire: Evacuate area.		
Protection during firefighting	Wear gas tight chemically protective clothing in combination with self contained breathing apparatus. For further information refer to section 8: "Exposure controls/personal protection".			
SECTION 6: Accidental release mea	sures			
6.1. Personal precautions, protective ed	quipment	and emergency procedures		
General measures	: Evaci	uate unnecessary personnel. Ens	ure adequate air ven	tilation. Do not breathe dust.
6.1.1. For non-emergency personnel				
6.1.1. For non-emergency personnel Emergency procedures	: Only	qualified personnel equipped with	suitable protective e	quipment may intervene.
	,			
6.1.2. For emergency responders Protective equipment		ot attempt to take action without so to section 8: "Exposure controls/p		ipment. For further information
6.2. Environmental precautions				
Avoid release to the environment. Notify authori	ties if proc	luct enters sewers or public water	S.	
6.3. Methods and material for containm	ent and c	leaning up		
For containment	: Stop	eak if safe to do so.		

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Methods for cleaning up	: Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust.	
Other information	: For disposal of solid materials or residues refer to section 13 : "Disposal considerations".	
6.4. Reference to other sections		
No additional information available		
SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Additional hazards when processed	: Possible formation of HF.	
Precautions for safe handling	: Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust, mist, spray. Wear personal protective equipment. Avoid contact with skin and eyes.	
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including	g any incompatibilities	
Technical measures	: Comply with applicable regulations.	
Storage conditions	: Keep container closed when not in use. Moisture sensitive. Keep contents under inert gas.	
Incompatible materials	: Refer to Section 10 on Incompatible Materials.	
Heat-ignition	: Heat sensitive.	
Prohibitions on mixed storage	: Do not store with: Acids.	

: Store in dry, cool, well-ventilated area.

: Do not store in glass.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Special rules on packaging

Storage area

No additional information available

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Hand protection	: Protective gloves. 29 CFR 1910.138: Hand Protection.
Eye protection	: Chemical goggles or safety glasses. Face shield. 29 CFR 1910.133: Eye and Face Protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	 In case of inadequate ventilation wear respiratory protection. 29 CFR 1910.134: Respiratory Protection.
Other information	: Safety shoes. 29 CFR 1910.136: Foot Protection.

SECTI	ON 9: Physical and chemical properties
9.1.	Information on basic physical and chemical properties

 No data available 	
 No data available No data available No data available No data available 	
No data available No data available No data available	
: No data available : No data available	
No data available	
No data available	
No data available	
No data available	
: > 1200 °C	
No data available	
: 1170 °C	
No data available	
: Solid	
	No data available No data available No data available 1170 °C No data available > 1200 °C No data available

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Molecular mass	: 171.813 g/mol
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

No additional information available

SECTIO	DN 10: Stability and reactivity
10.1.	Reactivity
No additi	onal information available
10.2.	Chemical stability
The prod	uct is stable at normal handling and storage conditions.
10.3.	Possibility of hazardous reactions
No additi	onal information available
10.4.	Conditions to avoid
Keep awa	ay from heat, sparks and flame.
10.5.	Incompatible materials
Strong ad	sids. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products in case of fire, see Section 5.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTI	ON 12: Ecological information				
12.1.	Toxicity				
No addit	ional information available				
12.2.	Persistence and degradability				
No addit	No additional information available				
12.3.	Bioaccumulative potential				
No addit	ional information available				
12.4.	Mobility in soil				
No addit	ional information available				

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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consider 13.1. Waste treatment methods	ations
Waste treatment methods Waste disposal recommendations Additional information	 Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber. Dispose of contents/container in accordance with licensed collector's sorting instructions. Recycle the material as far as possible.
SECTION 14: Transport informa	tion

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic

Indium trifluoride CAS No 7783-52-0 100%	Substances Control Act (TSCA) inventory except for.		
		CAS NO 7783-52-0	100%

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases:

	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
	Skin Irrit. 2	Skin corrosion/irritation Category 2
	STOT SE 3	Specific target organ toxicity (single exposure) Category 3
	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation

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NFPA health hazard	: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.	
NFPA fire hazard	: 0 - Materials that will not burn.	
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.	
HMIS III Rating		
Health	: 2 Moderate Hazard - Temporary or minor injury may occur	
Flammability	: 0 Minimal Hazard - Materials that will not burn	
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.	

SDS US (GHS HazCom 2012)

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is offered solely for your consideration, investigation, and verification. It does not represent any guarantee of the properties of the product nor that the hazard precautions or procedures described are the only ones which exist. SynQuest shall not be held liable or any damage resulting from handling or from contact with the above product.