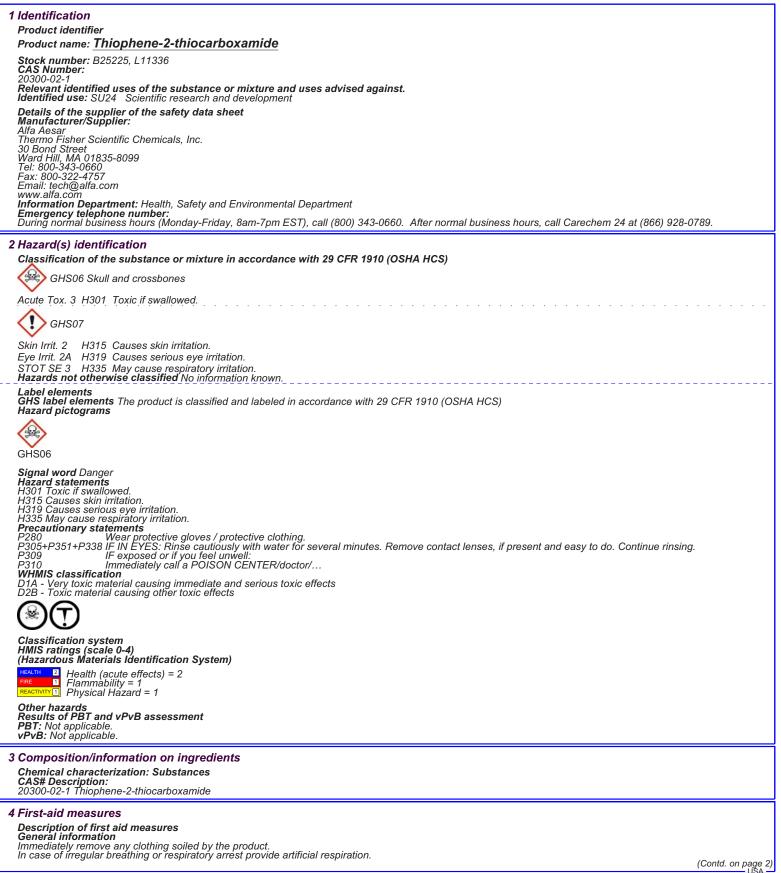


Safety Data Sheet per OSHA HazCom 2012



Safety Data Sheet per OSHA HazCom 2012

Product name: Thiophene-2-thiocarboxamide

Product name: Iniophene-2-thiocari	ooxamide		
		(Contd. of page 1)	
After inhalation Supply fresh air. If required, provide artif	ficial respiration. Keep patient warm.	- /	
Supply fresh air. If required, provide artif Seek immediate medical advice.			
After skin contact Immediately wash with water and soap a	and rinse thoroughly.		
After swallowing Do not induce vomiting; immediately call for medical help.			
Information for doctor Most important symptoms and effects	s. both acute and delayed No further relevant information available.		
Indication of any immediate medical a	attention and special treatment needed No further relevant information available.		
5 Fire-fighting measures			
Extinguishing media			
Suitable avtinguishing agante Carbon diavida, avtinguishing nowder or water aprav. Fight larger fires with water aprav or alcohol resistant feam			
Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Nitrogen oxides (NOX) Possibly Hydrogen cyanide (HCN) Sulfur oxides (SOX) Advice for firefighters Protective acuiment:			
Nitrogen oxides (NOx)			
Possibly Hydrogen cýanide (HCN) Sulfur oxides (SOx)			
Advice for firefighters			
Wear self-contained respirator.			
Wear fully protective impervious suit.			
6 Accidental release measures			
Personal precautions, protective equi			
Environmental precautions: Do not all	ow material to be released to the environment without proper governmental permits.		
Dispose of contaminated material as wa	ste according to section 13.		
Ensure adequate ventilation. Prevention of secondary bazards: No	Intected persons away. Iow material to be released to the environment without proper governmental permits. Int and cleaning up: Inste according to section 13. Special measures required. International and the section equipment.		
Reference to other sections	ndling		
See Section 7 for information on safe ha	al protection equipment.		
See Section 13 for disposal information.			
7 Handling and storage			
Handling			
Precautions for safe handling Keep container tightly sealed.			
Store in cool, dry place in tightly closed of Ensure good ventilation at the workplace	containers.		
Information about protection against	e. explosions and fires: No information known.		
Conditions for safe storage, including any incompatibilities			
Storage Requirements to be met by storeroom	ns and receptacles: No special requirements.		
Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions:			
Keep container tightly sealed.			
Store in cool, dry conditions in well seale Specific end use(s) No further relevant	information available.		
8 Exposure controls/personal prote Additional information about design of			
Properly operating chemical fume hood	designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.		
Control parameters Components with limit values that rec	guire monitoring at the workplace: Not required.		
Additional information: No data	gano montoring at the morphace. 1401 lequileu.		
Exposure controls			
Personal protective equipment General protective and hygienic meas	sures		
The usual precautionary measures for h	andling chemicals should be followed		
Keep away from foodstuffs, beverages a Remove all soiled and contaminated clou	thing immediately.		
Avoid contact with the eves and skin.	na of work.		
Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present.			
Protection of hands:			
Impervious gloves Check protective gloves prior to each us	e for their proper condition.		
Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Five protection: Safety dasses			
Eye protection: Safety glasses Body protection: Protective work clothi	ing		
9 Physical and chemical properties			
Information on basic physical and chemical properties			
General Information	· · · · · · · · · · · · · · · · · · ·		
Appearance: Form:	Crystalline powder		
Color: Odor:	Yellow Not determined		
Odor: Odor threshold:	Not determined.		
		(Contd. on page 3)	

Product name: Thiophene-2-thiocarboxamide

Product name: Thiophene-2-thiocar	boxamide		
		(Contd. of page 2)	
pH-value:	Not applicable.		
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	106-109 °C (223-228 °F) Not determined Not determined		
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	Not applicable Not determined. Not determined Not determined Not determined.		
Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure: Density: Relative density Vapor density Evaporation rate Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water). Viscosity:			
dynamic: kinematic: Other information	Not applicable. Not applicable. No further relevant information available.		
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Sulfur oxides (SOX) Possibly Hydrogen cyanide (HCN)			
11 Toxicological information Information on toxicological effects Acute toxicity: Toxic if swallowed. LD/L C50 values that are relevant for classification: No data Skin irritation or corrosion: Causes skin irritation. Eye irritation or corrosion: Causes serious eye irritation. Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. Reproductive toxicity: No effects known. Specific target organ system toxicity - single exposure: No effects known. Specific target organ system toxicity - single exposure: May cause respiratory irritation. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.			
12 Ecological information Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow material to be released to the environment without proper governmental permits. Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information available.			
13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.			
14 Transport information			
UN-Number DOT, IMDG, IATA	UN2811		
UN proper shipping name DOT IMDG, IATA	Toxic solids, organic, n.o.s. (Thiophene-2-thiocarboxamide) TOXIC SOLID, ORGANIC, N.O.S. (Thiophene-2-thiocarboxamic	le)	
(Contd. on page 4)			

Safety	Data	Sheet
per OSH	A HazC	om 2012

Product name: Thiophene-2-thiocarboxamide

	(Contd. of page 3)	
Transport hazard class(es)		
DOT		
2 Taxes		
\checkmark		
Class	6.1 Toxic substances.	
Label Çlaşş	6.1 6.1 (T2) Toxic substances	
Label IMDG, IATA	6.1	
Class	6.1 Toxic substances.	
Label	6.1	
Packing group DOT, IMDG, IATA	111	
Environmental hazards:	Not applicable.	
Special precautions for user	Warning: Toxic substances	
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Cod	Č	
Transport/Additional information:		
DOT Marine Pollutant (DOT):	No	
UN "Model Regulation":	UN2811, Toxic solids, organic, n.o.s. (Thiophene-2-thiocarboxamide), 6.1, III	
15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements. The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms <i>with the product is classified and labeled in accordance with 29 CFR 1910</i> (OSHA HCS) Hazard pictograms <i>with the product is classified and labeled in accordance with 29 CFR 1910</i> (OSHA HCS) Hazard pictograms <i>with the pictograms with the pictograms GHSO6 Signal word Danger Hazard pictograms Hazard pi</i>		
16 Other information Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DGR: Dangerous Goods Regulations by the "International Civil Aviation Organization" (IATA) ICAO: Thermational Civil Aviation Organization ICAO: The Technical Instructions by the "International Civil Aviation Organization" (ICAO) ADR: Acord europhen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Civil Aviation Organization" (ICAO) IMDE: International Civil Aviation Organization ICAO: The Technical Instructions by the "International Civil Aviation Organization" (ICAO) ADR: Acord europhen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) MDE: International Martime Code for Dangerous Goods DOB (Wilson of the American Chemical Society) HMIS: Hazardous Materials Identification System (Canade) LC50: Lethal doss, 50 percent US50: Lethal		