

## Safety Data Sheet per OSHA HazCom 2012



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Mediation of any humodata medical attention and appekill treatment media No further relevant information available. Self-Fire-fighting measures Extinguishing media Suitable extinguishing agents in case of the use sand, orthon dioxide or powdered extinguishing agent. Never use water. This pocket is worked to a fine, but following on the measure: Carebo memory as any offention dioxide or powdered extinguishing agent. Never use water. We also for intriguing the second measure is the following on the measure: Carebo memory as any offention dioxide or powdered extinguishing agent. Never use water. We also for intriguing the second measure is the following offention dioxide or powdered extinguishing agent. Never use water. We also for intriguing the second measure is the following offention dioxide or powdered extinguishing agent. Never use water. We are also fortigating the second measure is the following offention dioxide or powdered extinguishing agent. Never use water. We are also fortigating the second measure is the following offention and emergency procedures Measure also fortigating the second measure is the second measure i	After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Seek medical treatment.	
Extinguishing modils       The provide is movied in a fine the following can be released:         Carbon moralization of the following can be released:       Carbon moralization:         Carbon moralization of the following can be released:       Carbon moralization:         Status of the following can be released:       Carbon moralization:         Status of the following can be released:       Carbon moralization:         Status of the following can be released:       Carbon moralization:         Status of the following can be released:       Carbon moralization:         Presonal product is more carbon moralization and emergency procedures:       Carbon moralization:         Wear fully product is moralized in the following can be released to the environment without proper governmental permits:       Carbon moralization:         Presonal procession equipment and emergency procedures:       Carbon moralization:         Wear fully product is more carbon more carbon more carbon more carbon more carbon and carbon more carbon and carbon more carbon more carbon more carbon and carbon more carbon and carbon more carbon more carbon and carbon more carbon more carbon more carbon more carbon more carbon and carbon more carbon and carbon more carbon and carbon more carbon more carbon and carbon carbon more carbon and carbon more carbon and carbon more carbon and carbon carbon more carbon and carbon carbon more carbon and carbon carbon carbon carbon an	Most important symptoms and effects, both acute and delayed No further relevant information available.	
In the second procession of the second process	Extinguishing media Suitable extinguishing agents In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monovide and carbon diovide	
Personal precentions, protective equipment: and emergency procedures Wear protective equipment: Access away. Ensure adequate ventilation Environmental precentions: During allow material to be released to the environment without proper governmental permits. Mean particular precentions: During allow material (sand, diatomite, acid binders, sawdust). Personal precentions ources. Mean particular distribution of the sections are explored. Mean particular distribution of the sections are equipment. Mean particular distribution are equipment and explosions and fires: Keep ignition sources away. Conditions for safe handling Mean particular distribution are explosions and fires: Keep ignition sources away. Conditions for safe starting including any incompatibilities Mean particular distribution are even particular distributions are explosions and reseptacles: No special requirements. Further information about storage in the compatibilities Mean particular distribution are been by storerooms and receptacles: No special requirements. Further information about storage conditions: Mean particular distribution are been by storerooms and receptacles: No special requirements. Further information about storage conditions: Mean particular distribution are been area area area area area area area a	Wear self-contained respirator.	
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Prevention of secondary hazards: No special measures required. Reference to other sections such andring See Section 8 for information on personal protection equipment. See Section 15 of disposition on personal protection equipment. See Section 15 of disposition on personal protection equipment. See Section 15 of disposition on personal protection equipment. See Section 15 of disposition on personal protection equipment. See Section 15 of disposition on personal protection equipment. Conditions for safe handling Precautions for safe handling Precautions for safe handling Precautions for safe handling Precautions for safe handling Requirements. Ensure good vehilistion at the workplace. Information about protection against explosions and fires: Keep ignition sources away. Conditions for safe storage. Information about protection against explosions and fires: Keep ignition sources away. Further information about storage conditions: Further information about storage conditions: See Section 10 of safe storage. See Section 10 of safe storage conditions: Further information about storage conditions: Conditions in well seeled containers. Beedle entry is seeled containers. Components with limit values that require monitoring at the workplace: Not required. Additional information: Control parameter: Components with limit values that require monitoring at the workplace: Not required. Additional information: Control parameters: Components with limit values that require monitoring at the workplace: Not required. Additional information and at the ord of work. Additional protective equipment General protective and string immediately. Wash hands and at the end of work. Additional protective equipment General protective string immediately. Wash hands and at the end of work. Additional thermation is for their proper condition. The sual period condition is for their proper condition. The sual period conditions and at the end of work. Additional information and at the protecondition. The sual period conditis properties Breadbing eq	Reep away from ignition sources. Absorb with liquid-binding material (sand diatomite acid binders universal binders sawdust)	
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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. Every protection: Safety glasses Body protection: Protective work clothing.  9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Liquid Color: Colorless (Contd. on page	Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands:	
Information on basic physical and chemical properties General Information Appearance: Form: Liquid Color: Colorless (Contd. on page	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. <b>Eye protection:</b> Safety glasses	
Information on basic physical and chemical properties General Information Appearance: Form: Liquid Color: Colorless (Contd. on page	9 Physical and chemical properties	
Form: Liquid Color: Colorless (Contd. on page	Information on basic physical and chemical properties General Information Appearance:	
(Contd. on page	Form: Liquid	
		(Contd. on page 3) USA

## Safety Data Sheet per OSHA HazCom 2012

#### Product name: 2-IsobutyIthiazole

		(Contd. of page 2)	
Odor: Odor throshold:	Characteristic		
Odor threshold: pH-value:	Not determined. Not determined.		
Change in condition			
Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined 172-173 °C (342-343 °F) Not determined		
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:	58 °C (136 °F) Not determined. Not determined Not determined		
Auto igniting:	Not determined.		
Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure: Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate Solubility in / Miscibility with	Product does not present an explosion hazard. Not determined Not determined 0.998 g/cm³ (8.328 lbs/gal) Not determined. Not determined. Not determined.		
Water: Partition coefficient (n-octanol/water): Viscosity:			
dynamic: kinematic: Other information	Not determined. Not determined. 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 (SOx)			
11 Toxicological information Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes skin irritation. Eye 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 - repeated 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. 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 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	or national regulations to ensure proper disposal. ade according to official regulations.		
14 Transport information			
UN-Number DOT, IMDG, IATA	UN1993		
UN proper shipping name DOT	Flammable liquids, n.o.s. (2-Isobutylthiazole)		
		(Contd. on page 4)	

## Safety Data Sheet per OSHA HazCom 2012

# F

Product name: 2-IsobutyIthiazole	
	(Contd. of page
IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (2-IsobutyIthiazole)
Transport hazard class(es) DOT 🍅	
Class Label	3 Flammable liquids.
Class Label IMDG, IATA	3 (F1) Flammable liquids 3
	2 Elemente la linuida
Class Label	3 Flammable liquids. 3
Packing group DOT, IMDG, IATA	III
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Flammable liquids
Transport in bulk according to Annex II of MARPOL73/78 and	d the IBC Code Not applicable.
Transport/Additional information: DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	UN1993, Flammable liquids, n.o.s. (2-Isobutylthiazole), 3, III
P405       Store locked up.         P501       Dispose of contents/container in accordance to National regulations         All components of this product are listed in the U.S. Environment All components of this product are listed on the Canadian Domest SARA Section 313 (specific toxic chemical listings) Substance California Proposition 65         Prop 65 - Chemicals known to cause cancer Substance is not Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, male Substance is not listed Information about limitation of use: For use only by technically Other regulations.	e is not listed. listed. o y qualified individuals. EACH Regulations (EC) No. 1907/2006. Substance is not listed. Innex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the on for use) Substance is not listed.
information to ensure proper use and protect the health and safe conformance with this Material Safety Data Sheet, or in combinat <b>Department issuing SDS:</b> Global Marketing Department	ther information gathered by them, and should make independent judgement of suitability of this ty of employees. This information is furnished without warranty, and any use of the product not in tion with any other product or process, is the responsibility of the user. par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) tion" (IATA) O) uropean Agreement concerning the International Carriage of Dangerous Goods by Road)

HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent vPvB: very Persistent and very Bioaccumulative

#### Product name: 2-IsobutyIthiazole

ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) (Contd. of page 4)

USA -