





(Contd. on page 2)

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# Product name: 3-Methylthiophene

After skin contact

Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing Seek medical treatment. Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available.

# 5 Fire-fighting measures

Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Sulfur oxides (SOx) Carbon monoxide and carbon dioxide Hydrogen sulfide Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Keep away from ignition sources. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. **Prevention of secondary hazards:** Keep away from ignition sources. **Reference to other sections** See Section 7 for information on safe handling See Section 8 for information on personal 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 containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture. Keep ignition sources away. Conditions for safe storage, including any incompatibilities

Storage Requirements to be met by storerooms and receptacles: Store in a cool location. 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 sealed containers.

Specific end use(s) No further relevant information available.

### 8 Exposure controls/personal protection

Additional information about design of technical systems: 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 require monitoring at the workplace: Not required. Additional information: No data

# Exposure controls

# Personal protective equipment

Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves

Impervious gloves

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. Eye 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	
Odor:	Aromatic	

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		(Contd. of page 2)
Odor threshold: pH-value:	Not determined. Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	-69 °C (-92 °F) 115-117 °C (239-243 °F) Not determined	
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	11 °C (52 °F) Not determined Not determined Not determined Not determined.	
Danger of explosion: Explosion limits: Lower:	Product is not explosive. However, formation of explosive air/vapor mixtures is possible. Not determined	
Upper: Vapor pressure at 20 °C (68 °F): Density at 20 °C (68 °F): Relative density Vapor density Evaporation rate	Not determined 24 hPa (18 mm Hg) 1.02 g/cm <sup>3</sup> (8.512 lbs/gal) Not determined. Not determined. Not determined.	
Solubility in / Miscibility with Water at 25 °C (77 °F): Partition coefficient (n-octanol/water): Viscosity:	0.4 g/l	
dynamic at 20 °C (68 °F): kinematic: Other information	0.67 mPas Not determined. No further relevant information available.	
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: Bases Oxidizing agents Hazardous decomposition products: Sulfur oxides (SOx) Carbon monoxide and carbon dioxide Hydrogen sulfide		
11 Toxicological information Information on toxicological effects Acute toxicity: Harmful if inhaled. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Irritating effect. Eye irritation or corrosion: Irritating effect. 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 foxicity: No effects known. Specific target organ system toxicity - single exposure: No effects known. Specific target organ system toxicity - single exposure: No effects known. 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 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 o Uncleaned packagings: Recommendation: Disposal must be ma	or national regulations to ensure proper disposal. nade according to official regulations.	
14 Transport information UN-Number		
DOT, IMDG, IATA UN proper shipping name	UN1993	
DOT	Flammable liquids, n.o.s. (3-Methylthiophene)	(Contd. on page 4)

duct name: <b>3-Methylthiophene</b> IMDG, IATA Transport hazard class(es) DOT Class Label Class Label IABEI	(Contd. of page FLAMMABLE LIQUID, N.O.S. (3-Methylthiophene) 3 Flammable liquids.		
Transport hazard class(es) DOT Class Label Class Label	FLAMMABLE LIQUID, N.O.S. (3-Methylthiophene) 3 Flammable liquids.		
Transport hazard class(es) DOT Class Label Class Label	3 Flammable liquids. 3		
DOT Class Label Class Label	3		
Label Class Label	3		
Class Label	3		
Label	3 (F1) Flammable liquids		
	3		
♥			
Class	3 Flammable liquids.		
Label Packing group	3		
Packing group DOT, IMDG, IATA			
Environmental hazards:	Not applicable. Warning: Flammable liquids		
Special precautions for user Transport in bulk according to Annex II of MARPOL73/78 and the IBC C			
Transport/Additional information:			
DOT			
Marine Pollutant (DOT): UN "Model Regulation":	No UN1993, Flammable liquids, n.o.s., special provision 640D (3-Methylthiophene), 3		
Hazard pictograms         Vex       Vex         GHS02 GHS07         Signal word Danger         Hazard pictograms         Hazard pictograms         GHS02 GHS07         Signal word Danger         Hazard pictograms         Hazard pictograms         Hazard pictograms         Hazard pictograms         Hazard pictograms         Pecautionary statements         Pecautionary statements         P261       Avoid breathing dustifume/gas/mist/vapours/gray.         P280       Wear protective gloves/projective clobing/syray.         P280       Wear protective gloves/projective clobing/syray.         P280       Wear protective gloves/projective clobing/syray.         P403+P235       Store in a well-ventilated place. Keep coil.         P403+P235       Dispose of contents/container in accordance with local/regional/national/international regulations.         All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.         SARA Section 313 (specific toxic chemical listed.         Prop 65 - Chemicals known to cause cancer Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.         Prop 65 - Developmental toxicity, female Substance is not listed.			
Other information Employers should use this information only as a supplement to other information information to ensure proper use and protect the health and safety of employ conformance with this Material Safety Data Sheet, or in combination with any Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms: RD: Reglement international concernant le transport des marchandises dangereuses par chemin de IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) (CAO: International Civil Aviation Organization (CAO: TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreen MDG: International Air Transport des marchandises dangereuses par Route (European Agreen MDG: International Air Transport des marchandises dangereuses par Route (European Agreen MDG: International Air Transport des marchandises dangereuses par Route (European Agreen MDG: International Air Transport des marchandises (USA) MTA: International Air Transport Association EINECS: European Inventory of Existing Construction Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracedous Materials Information System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent PVB: very Persistent and very Bioaccumulative ACGHH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA)			

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IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) Page 5/5 Printing date 11/23/2015 Reviewed on 02/09/2009

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