





(Contd. on page 2)

## Pr

Product name: 6-Bromoquinoline	
	(Contd. of page 1)
<ul> <li>4 First-aid measures         Description of first aid measures             After inhalation             Supply fresh air. If required, provide artificial respiration. Keep patient warm.             Seek immediate medical advice.             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.     </li> </ul>	
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: Carbon monoxide and carbon dioxide Nitrogen oxides (NOX) Hydrogen bromide (HBr) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	
<ul> <li>6 Accidental release measures</li> <li>Personal precautions, protective equipment and emergency procedures</li> <li>Wear protective equipment. Keep unprotected persons away.</li> <li>Ensure adequate ventilation</li> <li>Environmental precautions: Do not allow material to be released to the environment without proper governmental permits.</li> <li>Methods and material for containment and cleaning up:</li> <li>Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).</li> <li>Ensure adequate ventilation.</li> <li>Prevention of secondary hazards: No special measures required.</li> <li>Reference to other sections</li> <li>See Section 7 for information on safe handling</li> <li>See Section 13 for disposal information.</li> </ul>	
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: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms 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 sealed containers. Specific end use(s) No further relevant information available.	
<ul> <li>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:         The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.         Additional information: No data         Exposure controls         Personal protective equipment         General 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 solied and contaminated clothing immediately.         Wash hands before breaks and at the end of work.         Do not inhale dust / smoke / mist.         Avoid the does on control when high concentrations are present.         Protection of hands:         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.         Penetration Tiphy sealed goggles         On the period gloves         Check protection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.       Penetration Tiphy sealed goggles  </li> </ul>	
Body protection: Protective work clothing.	USA (Contd. on page 3)

## Product name: 6-Bromoquinoline

9 Physical and chemical properties

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Information on basic physical and chemical properties General Information Appearance: 'Form: Color: Liquid Pale brown Odor: Not determined Odor threshold: Not determined pH-value: Not determined. Change in condition Melting point/Melting range: 24 °C (75 °F) Boiling point/Boiling range: Sublimation temperature / start: Not determined Not determined Flash point: > 110 °C (> 230 °F) Flasmpolitity (solid, gaseous) Ignition temperature: Decomposition temperature: Not determined. Not determined Not determined Auto igniting: Not determined Danger of explosion: Explosion limits: Lower: Not determined. Not determined Not determined Upper: Vapor pressure: Density at 20 °C (68 °F): Relative density Not determined 1.538 g/cm<sup>3</sup> (12.835 lbs/gal) Not determined. Vapor density Evaporation rate Solubility in / Miscibility with Not determined. Not determined. Water: Not determined Partition coefficient (n-octanol/water): Not determined. Viscosity: dynamic: Not determined. kinematic: Not determined. Other information 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. Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen bromide 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 serious eye damage. 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. 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 or national regulations to ensure proper disposal. Recommendation: Disposal must be made according to official regulations. USA (Contd. on page 4)

Product name: 6-Bromoquinoline		
	(Contd. of page 3)	
14 Transport information		
UN-Number DOT, ADN, IMDG, IATA	Not applicable	
UN proper shipping name DOT, ADN, IMDG, IATA	Not applicable	
Transport hazard class(es)		
DOT, ADR, ADN, IMDG, IATA Class	Not applicable	
Packing group DOT, IMDG, IATA	Not applicable	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.		
Transport/Additional information:		
DOT Marine Pollutant (DOT):	No	
UN "Model Regulation":	-	
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 a start of the product is classified and labeled in accordance with 29 CFR 1910</i> (OSHA HCS) Hazard pictograms <i>with a start of the product is classified and labeled in accordance with 29 CFR 1910</i> (OSHA HCS) Hazard pictograms <i>with a start of the product is classified and labeled in accordance with 29 CFR 1910</i> (OSHA HCS) Hazard pictograms <i>With a start of the product is classified and labeled in accordance with 29 CFR 1910</i> (OSHA HCS) Hazard statements Hazard statements Hazard statements P261 <i>would breathing dust/tume/gas/mist/vapours/spray.</i> <i>Precationary statements</i> <i>Pay to the club glows/protective clothing/eye protection/face protection.</i> <i>P304-P351+P333 IF IN EYES.</i> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <i>P304-P351+P333 IF IN EYES.</i> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <i>P304-P351+P333 IF IN EYES.</i> Rinse cautiously with water for several minutes. Remove contact lenses. if present and easy to do. Continue rinsing. <i>P304-P351+P333 IF IN EYES.</i> Rinse cautiously with water for several minutes. Remove contact lenses. <i>If present and easy to do. Continue rinsing.</i> <i>P304-P351+P338 IF IN EYES.</i> Rinse cautiously with water for several minutes. Remove contact lenses. <i>If present and easy to do. Continue rinsing.</i> <i>P304-P351+P338 IF IN EYES.</i> Rinse cautiously with water for several minutes. Remove contact lense		
<ul> <li>16 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 employee. conformance with this Material Safety Data Sheet, or in combination with any ot Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms:         ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement DOT: US Department of Transportation         EINECS: Europeen Inventory of Existing Commercial Chemical Substances         CAS: Chemical Abstracts Service (division of the American Chemical Society)         HMIN: Hazardous Materials Information System (Canada)         LCS0: Lethal concentration, 50 percent         USD: Lethal concentration, 50 percent         USD: Lethal concentration Conversional Industrial Hygienists (USA)         OSHA: Occupational Converse of Governmental Industrial Hygienists (USA)         NTP: National Toxicology Program (USA)         INTP: National Toxicology Program (USA)         IAR: International Agency for Research on Cancer         EPA: Environmental Protection Agency (USA)         EPA: Environmental Protection Agency (USA)      </li> </ul>	n gathered by them, and should make independent judgement of suitability of this s. This information is furnished without warranty, and any use of the product not in her product or process, is the responsibility of the user. concerning the International Carriage of Dangerous Goods by Road) 	