

Safety Data Sheet per OSHA HazCom 2012

1 Identification

Product identifier Product name: 8-Hydroxy-2-methylquinoline

Stock number: 41620, L06989 CAS Number: 826-81-3 EC number: 212-562-6 Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development Details of the supplier of the safety data sheet Manufacturer/Supplier: Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. Inerrito Fisher Scheman C. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757 Email: tech @alfa.com www.alfa.com Information Department: Health, Safety and Environmental Department Emergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789.

2 Hazard(s) identification

Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) The substance is not classified according to the Globally Harmonized System (GHS). Hazards not otherwise classified No information known.

I abel elements GHS label elements Not applicable Hazard pictograms Not applicable Signal word Not applicable Hazard statements Not applicable WHMIS classification Not controlled Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)



Health (acute effects) = 1 Flammability = 1 Flammability = 1 Physical Hazard = 1

Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances CAS# Description: 826-81-3 8-Hydroxy-2-methylquinoline Identification number(s): EC number: 212-562-6

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.

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 dióxide Nitrogen oxides (NOx) 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 Environmental precautions: Do not allow material to be released to the environment without proper governmental permits. Methods and material for containment and cleaning up: Pick up mechanically.

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Prevention of secondary hazards: No special measures required. 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: 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. 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.

0 Physical and chemical properties

9 Physical and chemical properties	S
Information on basic physical and ch General Information Appearance: Form: Color: Odor:	nemical properties Crystalline powder Cream Not determined
Odor threshold:	Not determined.
pH-value:	Not applicable.
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	70-74 °C (158-165 °F) 267 °C (513 °F) Not determined
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	139 °C (282 °F) 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	Product does not present an explosion hazard. Not determined Not applicable. Not determined. Not determined. Not applicable. Not applicable. Insoluble : Not determined. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

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

transfer Africkanse Schulder Schule Sc		Reviewed on 01/13/2
Hazardous decomposition products: Minoque toxics (Mol) 11 Toxicological information Morentation intercological information Link of the second intercological information Link of the second intercological information Carentogenerity: No effects have relevant for dessification: No data Link of the second intercological information Generity of the second intercological information Generity of the second intercological information Carentogenerity: No effects have relevant for the second properties of this materials is wellable from the EPA, MRC, NTP, OSHA or ACGH. Specific angle of the second intercological information: To be besit of our knowledge the acute and chronic toxicity of this substance is not fully known. 2. Ecological information Toxicity Carentogenerity: No effects have relevant information available. 3. Control of the second intercological information available. 3. Control of the second inform	roduct name: 8-Hydroxy-2-methylquinoline	
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Tozicity Aguastic toxicity: No further relevant information available. Persistence and degradability to further relevant information available. Persistence and degradability to further relevant information available. Provided affects: Provided af		
Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: 14 Transport information UN-Number DOT, IMDG, IATA UN3077 UN proper shipping name DOT, IMDG, IATA Environmentally. Nazardous substances, solid, n.o.s. (8-Hydroxy-2-methylquinoline) Transport hazard class(es) Environmentally. Nazardous substances, solid, n.o.s. (8-Hydroxy-2-methylquinoline) OT, IMDG (MRO, IATA UN Proper shipping name DOT, IMDG UN Final Class(es) DOT, IMDG (MRO, IATA UN (IASA) Class 9 Miscellaneous dangerous substances and articles. Iabel 9 (M7) Miscellaneous dangerous substances and articles. IATA 9 Class 9 (Mr) Miscellaneous dangerous substances and articles. Iabel 9 Class 9 (MISCellaneous dangerous substances and articles. Iabel 9 Class 9 (MISCellaneous dangerous substances and articles. Iabel 9 Class 9 Label 9 Special marking (IATA) 111 Environmental hazards:	Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Bioaccumulative potential No further relevant information available. Bioaccumulative potential No further relevant information available. Ecotoxical effects: Remark: Very toxic for aquatic organisms Additional ecological information: General notes: Do not allow product to reach ground water, water course or sewage syste Do not allow material to be released to the environment without proper gor Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. May cause long lasting harmful effects to aquatic life. Avoid transfer into the environment. Very toxic for aquatic organisms Results of PBT and vPvB assessment PBT: Not applicable.	
Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: 14 Transport information UN-Number DOT, IMDG, IATA UN3077 UN proper shipping name DOT, IMDG, IATA Environmentally. Nazardous substances, solid, n.o.s. (8-Hydroxy-2-methylquinoline) Transport hazard class(es) Environmentally. Nazardous substances, solid, n.o.s. (8-Hydroxy-2-methylquinoline) OT, IMDG (MRO, IATA UN Proper shipping name DOT, IMDG UN Final Class(es) DOT, IMDG (MRO, IATA UN (IASA) Class 9 Miscellaneous dangerous substances and articles. Iabel 9 (M7) Miscellaneous dangerous substances and articles. IATA 9 Class 9 (Mr) Miscellaneous dangerous substances and articles. Iabel 9 Class 9 (MISCellaneous dangerous substances and articles. Iabel 9 Class 9 (MISCellaneous dangerous substances and articles. Iabel 9 Class 9 Label 9 Special marking (IATA) 111 Environmental hazards:	3 Disposal considerations	
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UN "Model Regulation":	UN3077, Environmentally hazardous substances, solid, n.o.s. (8-Hydroxy-2- methylquinoline), 9, III
15 Regulatory information	
SARA Section 313 (specific toxic chemical listings) Substance is California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed Prop 65 - Developmental toxicity Substance is not listed. 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 qu Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REAC	Protection Agency Toxic Substances Control Act Chemical substance Inventory. Substances List (DSL). ed. ralified individuals. CH Regulations (EC) No. 1907/2006. Substance is not listed. x XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on th
6 Other information	
information to ensure proper use and protect the health and safety of conformance with this Material Safety Data Sheet, or in combination	r information gathered by them, and should make independent judgement of suitability of this f employees. This information is furnished without warranty, and any use of the product not in with any other product or process, is the responsibility of the user.
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