

Safety Data Sheet per OSHA HazCom 2012

| Reviewed on 01 | /27/2010 |
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| 1 Identification | |
| Product identifier | |
| Product name: <u>4-Benzyloxyphenylacetonitrile</u> Stock number: L09771 | |
| CAS Number: 838-96-0 | |
| 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. 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) | |
| GHS07 | |
| Acute Tox. 4 H302 Harmful if swallowed. Acute Tox. 4 H312 Harmful in contact with skin. | |
| Hazards not otherwise classified No information known. | |
| Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms | |
| | |
| GHS07 | |
| Signal word Warning | |
| Hāzard statements H302+H312 Harmful if swallowed or in contact with skin. | |
| Precautionary statements P280 Wear protective gloves / protective clothing. | |
| WHMIS classification D1B - Toxic material causing immediate and serious toxic effects | |
| | |
| Classification system HMIS ratings (scale 0-4) | |
| HMIS ratings (scale 0-4) (Hazardous Materials Identification System) | |
| HEALTH Image: Provide and Provide an | |
| Other hazards Results of PBT and vPvB assessment | |
| PBT: Not applicable. vPvB: Not applicable. | |
| 3 Composition/information on ingredients | |
| Characterization: Substances CAS# Description: | |
| 838-96-0 4-Benzyloxyphenylacetonitrile | |
| 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 | |

Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. (Contd. on page 2)

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| Product name: 4-Benzyloxyphenylac | Product name: 4-Benzyloxyphenylacetonitrile | | |
|---|---|--------------------|--|
| Special hazards arising from the subs If this product is involved in a fire, the foll Carbon monoxide and carbon dioxide Nitrogen oxides (NOX) Hydrogen cyanide (HCN) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. | <i>tance or mixture</i> owing can be released: | (Contd. of page 1) | |
| 6 Accidental release measures Personal precautions, protective equip Wear protective equipment. Keep unprotective Ensure adequate ventilation Environmental precautions: Do not allow Methods and material for containment Prevention of secondary hazards: No s Reference to other sections See Section 7 for information on safe han See Section 8 for information on persona See Section 13 for disposal information. | ected persons away. w material to be released to the environment without proper governmental permits. * and cleaning up: Dispose of contaminated material as waste according to section 13. special measures required. ndling | | |
| 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. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available. | | | |
| Control parameters Components with limit values that req Additional information: No data Exposure controls Personal protective equipment General protective and hygienic meas The usual precautionary measures for ha Keep away from foodstuffs, beverages ai Remove all solled and contaminated clot Wash hands before breaks and at the en Avoid contact with the eyes and skin. Maintain an ergonomically appropriate we Breathing equipment: Use suitable resp Protection of hands: Impervious gloves Check protective gloves prior to each use | f technical systems: lesigned for hazardous chemicals and having an average face velocity of at least 100 feet per minute. uire monitoring at the workplace: Not required. ures maling chemicals should be followed. hing immediately. d of work. orking environment. birator when high concentrations are present. e for their proper condition. depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. minutes) Not determined | | |
| 9 Physical and chemical properties Information on basic physical and che General Information Appearance: Form: Color: Odor: | e mical properties Crystalline powder White Not determined | | |
| Odor threshold: | Not determined. | | |
| | Not applicable. | | |
| Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: | 66-70 °C (151-158 °F) 170-173 °C (338-343 °F) (0.1 mmHg) Not determined | | |
| Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting: | Not applicable Not determined. Not determined Not determined Not determined. | | |
| Explosion limits: Lower: Upper: | Product does not present an explosion hazard. Not determined Not determined Not applicable. Not determined | | |

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| | (Contd. of page 2) | |
| Vapor density N Evaporation rate N Solubility in / Miscibility with Water: II Partition coefficient (n-octanol/water): N Viscosity: dynamic: N kinematic: N | lot determined. lot applicable. lot applicable. lot determined. lot applicable. lot applicable. lo further relevant information available. | |
| | | |
| 10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recomme Thermal decomposition / conditions to Possibility of hazardous reactions No d. Conditions to avoid No further relevant ir Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen cyanide | nformation available. | |
| Reproductive foxicity: No effects known. Specific target organ system toxicity - r Specific target organ system toxicity - s Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects Subacute to chronic toxicity: Nitriles may resemble cyanides in toxicity. respiration, nausea, vomiting, weakness. h | rritation ritation m. n carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. repeated exposure: No effects known. single exposure: No effects known. | |
| 12 Ecological information Toxicity Aquatic toxicity: No further relevant inform Persistence and degradability No further Bioaccumulative potential No further relevant Mobility in soil No further relevant informat Additional ecological information: General notes: Do not allow material to be released to the | r relevant information available. evant information available. | |
| Do not allow undiluted product or large qua Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant | antities to reach ground water, water course or sewage system. | |
| 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 Not a hazardous material for transportatior | | |
| UN-Number DOT, IMDG, IATA | None | |
| UN proper shipping name DOT, IMDG, IATA | None | |
| Transport hazard class(es) DOT, ADR, IMDG Class IATA Class | None None | |
| Packing group DOT, IMDG, IATA | None | |
| Environmental hazards: | Not applicable. | |
| Special precautions for user | Not applicable. (Contd. on page 4) | |
| | USAUSA | |

