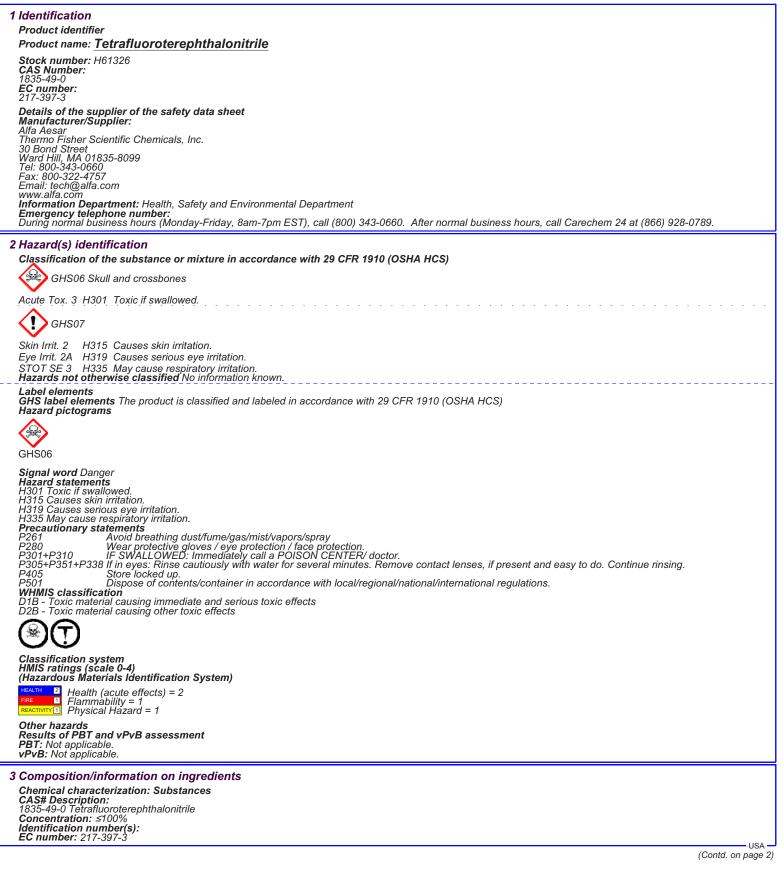




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	(Contd. of page 1)
4 First-aid measures Description of first aid measures General information Immediately remove any clothing soiled by the product.	
In case of irregular breathing or respiratory arrest provide artificial respiration. After inhalation 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 eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Do not induce vomiting; immediately call for medical help. Information for doctor Most important symptoms and effects, both acute and delayed Causes skin irritation.	
Causes serious eye irritation. Causes serious eye irritation. Toxic if swallowed. 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 dioxide Hydrogen fluoride (HF) Hydrogen cyanide (HCN) Nitrogen oxiales (NOx) Advice for firefighters	
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: Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. Reference to other sections See Section 7 for information on safe handling See Section 13 for disposal information. Protective Action Criteria for Chemicals PAC-1: Substance is not listed. PAC-3: Substance is not listed. 	
7 Handling 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: 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 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. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short term use: Use a respirator with type P100 (USA) or P3 (EN 143) cartridges as a backup to engineering controls. Bisk assessment should be performed to de	
Dreaming equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short term use: Use a respirator with type P100 (USA) or P3 (EN 143) cartridges as a backup to engineering controls. Bisk assessment should be performed to de	etermine if air-

Use a respirator with type P100 (USA) or P3 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards.

(Contd. of page 2)

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. Material of gloves Nitrile rubber, NBR

Penetration time of gloves Nithe rubber, NBR Penetration time of glove material (in minutes) 480 Glove thickness: 0.11 mm Eye protection: Safety glasses with side shields / NIOSH (US) or EN 166(EU) Body protection: Protective work clothing.

9 Physical and chemical properties

9 Physical and chemical properties	
Information on basic physical and ch General Information Appearance: Form:	emical properties
Odor:	Not determined
Odor threshold:	Not determined.
pH-value:	Not applicable.
-	Not applicable.
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	197-199 °C (387-390 °F) Not determined Not determined Not determined. Not determined Not determined Not determined
Danger of explosion: Explosion limits:	Not determined.
Lower:	Not determined
Upper:	Not determined
Vapor pressure:	Not applicable.
Density:	Not determined
Relative density	Not determined.
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	not approable.
Water:	Not determined
Partition coefficient (n-octanol/water)	
Viscosity:	
dvnamic:	Not applicable.
kinematic:	Not applicable.
Other information	No further relevant information available.
euror mermaten	

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 Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen fluoride Hydrogen cyanide Nitrogen oxides

11 Toxicological information

Information on toxicological effects

Acute toxicity:

Toxic if swallowed. The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for this substance LD/LC50 values that are relevant for classification:

Oral LD50 56 mg/kg (mouse)

Skin 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.

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 underial to be released to the environment without proper governmental permits. Do not allow undivided product or large quantities to reach ground water, water course or sew

Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. Avoid transfer into the environment.

• • • • • • • • • • • • • • • • • • •	(Contd. of page
Results of PBT and vPvB assessment PBT: Not applicable.	Conta. oi page
vPvB: Not applicable. Other adverse effects No further relevant information available.	
3 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to en- Uncleaned packagings: Recommendation: Disposal must be made according to official reg	
4 Transport information	
UN-Number DOT, IMDG, IATA	UN3439
UN proper shipping name DOT	Nitriles solid toxic n.o.s. (Tetrafluoroterephthalonitrile)
ADR IMDG, IATA	Nitriles, solid, toxic, n.o.s. (Tetrafluoroterephthalonitrile) 3439 Nitriles, solid, toxic, n.o.s. (Tetrafluoroterephthalonitrile) NITRILES, SOLID, TOXIC, N.O.S. (Tetrafluoroterephthalonitrile)
Transport hazard class(es) DOT	
Class Label ADR	6.1 Toxic substances 6.1
Class Label IMDG, IATA	6.1 (T2) Toxic substances 6.1
Class	6.1 Toxic substances
Label	6.1
Packing group DOT, ADR, IMDG, IATA	III
Environmental hazards: Marine pollutant (IMDG):	No
Special precautions for user Stowage Category	Warning: Toxic substances A SCO2E Staw "accorded from" acida
Segregation Code Transport in bulk according to Annex II of MARPOL73/78 and th	SG35 Stow "separated from" acids. he IBC Code Not applicable.
Transport/Additional information:	
DOT Quantity limitations	On passenger aircraft/rail: 100 kg On cargo aircraft only: 200 kg
Marine Pollutant (DOT):	
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
UN "Model Regulation":	UN 3439 NITRILES, SOLID, TOXIC, N.O.S. (TETRAFLUOROTEREPHTHALONITRILE), 6.1, III
5 Regulatory information Safety, health and environmental regulations/legislation specifi GHS label elements The product is classified and labeled in accord Hazard pictograms GHS06 Signal word Danger Hazard statements H301 Toxic if swallowed. H315 Causes skin irritation. H315 Causes serious eye irritation. H315 May cause respiratory irritation. H335 May cause respiratory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapors/spray P280 Device Toxic i face pro-	dance with 29 CFR 1910 (OSHA HCS)

 P200
 Wear protective gloves / eye protection / face protection.

 P301+P310
 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

 P305+P351+P338
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

 P405
 Store locked up.

 P501
 Dispose of contents/container in accordance with local/regional/national/international regulations.

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USA

- National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 Developmental toxicity, female Substance is not listed. Prop 65 Developmental toxicity, female Substance is not listed. Prop 65 Developmental toxicity, male Substance is not listed. Prop 65 Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed.

The Conditions of restrictions according to Article of and Annex XVI of the Regulation (EQ) is market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. Information of this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Department Date of preparation/Revision: Print date, revision date and version number are in the header of each page.
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Information System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern
VPWE: very Persistent, Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA)
OSHA: Occupational Safety and Health Administration (USA)
MTP: National Toxicology Program (USA)
Acute Tox: 3: Acute toxicity - Category 2
Eyn T: 2: Skin corrosion/irritation - Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) - Category 3