



1 Identification	
Product identifier	
Product name: 2-Chloro-4,6-difluoroaniline	
Stock number: H50363 CAS Number: 36556-56-6	
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	
Alfa Aesar Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757 Fax: 800-322-4757	
Ward Hill, MA 01835-8099 Tel: 800-343-0660	
Email: tech @aira.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)	
GHS06 Skull and crossbones	
Acute Tox. 3 H301 Toxic if swallowed.	
GHS05 Corrosion	
Eye Dam. 1 H318 Causes serious eye damage.	
GHS07	
Skin Irrit. 2 H315 Causes skin irritation. 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	
GHS05 GHS06	
Signal word Danger Hazard statements	
H301 Toxic if swallowed.	
H315 Causes skin irritation. H318 Causes serious eye damage. Precautionary statements	
P280 Wear protective gloves/protective clothing/eye protection/face protection. P264 Wash thoroughly after handling.	
P270 Do not eat, dřink or smoke whěn using this product.	
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor.	
P362 Take off contaminated clothing and wash before reuse. P321 Specific treatment (see on this label). P332+P313 If skin irritation occurs: Get medical advice/attention.	
P332+P313 If skin irritation occurs: Get medical advice/attention. P405 Store locked up.	
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification	
D1A - Very toxic material causing immediate and serious toxic effects	
D2B - Toxic material causing other toxic effects	
Classification system HMIS ratings (scale 0-4)	
(Hazardous Materials Identification System)	
HEALTH 2 FIRE 2 Flammability = 2 REACTIVITY Physical Hazard = 1	
Other hazards Results of PBT and vPvB assessment	
PBT: Not applicable	
vPvB: Not applicable.	USA –

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3 Composition/information on ingredients

Chemical characterization: Substances CAS# Description: 36556-56-6 2-Chloro-4,6-difluoroaniline

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 swallowing Dot induce vomiting; immediately call for medical help.

Information for doctor

Most important symptoms and effects, both acute and delayed

Causes skin irritation Toxic if swallowed.

Causes serious eye damage.

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) Nitrogen oxides (NOx) Hydrogen chloride (HCl) 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. 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: Keep ignition sources away.

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 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. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. (Contd. on pa

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Protection of hands: Impervious gloves Check protective gloves prior to each use The selection of suitable gloves not only Penetration time of glove material (in r Eye protection: Tightly sealed goggles Body protection: Protective work clothin	depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. <i>minutes)</i> Not determined	1e 2)
9 Physical and chemical properties		
Information on basic physical and che General Information Appearance: Form: Odor:	emical properties Powder Not determined	
	Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not applicable. 28-32 °C (82-90 °F) Not determined Not determined	
Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	82 °C (180 °F) Not determined Not determined Not determined Not determined.	
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:	Product does not present an explosion hazard. Not determined Not applicable. Not determined Not determined. Not applicable. Insoluble Not applicable. Not applicable. Not applicable. Not applicable.	
Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recomm Thermal decomposition / conditions to Possibility of hazardous reactions Rea Conditions to avoid No further relevant Incompatible materials: Oxidizing agen Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen chloride (HCI) Hydrogen fluoride Nitrogen oxides	o be avoided: Decomposition will not occur if used and stored according to specifications. acts with strong oxidizing agents t information available.	
11 Toxicological information Information on toxicological effects Acute toxicity: Toxic if swallowed. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: Causes serious eye damage. Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Subacute to chronic toxicity: Chronic toxicity: Additional toxicicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. Carcinogenic categories OSHA-Ca (Occupational Safety & Health Administration) Substance is not listed.		ibly
12 Ecological information Toxicity Aquatic toxicity: No further relevant infor Persistence and degradability No furthe Bioaccumulative potential No further relevant Mobility in soil No further relevant inform Additional ecological information: General notes: Do not allow material to be released to th Do not allow undiluted product or large qu Avoid transfer into the environment.	ner relevant information available. elevant information available.	ne 4)
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(Contd. of page or disposal.
r disposal.
UN2811
Toxic solids, organic, n.o.s. (2-Chloro-4,6-difluoroaniline) TOXIC SOLID, ORGANIC, N.O.S. (2-Chloro-4,6-difluoroaniline)
6.1 Toxic substances.
6.1 6.1 (T2) Toxic substances
6.7
6.1 Toxic substances. 6.1
III Not applicable.
Warning: Toxic substances F-A.S-A
de Not applicable.
No
UN2811, Toxic solids, organic, n.o.s. (2-Chloro-4,6-difluoroaniline), 6.1, III
substance or mixture 29 CFR 1910 (OSHA HCS)
ace protection. s. Remove contact lenses, if present and easy to do. Continue rinsing. ional/national/international regulations. ubstances Control Act Chemical Substance Inventory. Use of this product is restricte ner the supervision of a technically qualified individual as defined by TSCA. This nercial purposes. the Canadian Non-Domestic Substances List (NDSL).

USA

Product name: 2-Chloro-4,6-difluoroaniline

(Contd. of page 4) 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. 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 Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user. Information to Eriscite proper use and protect the health and safety of employees. This monatom is in this Material 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 / last revision 09/28/2016 /
Abbrevitions and accompms:

RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-OER: Dangerous Goods Regulations by the 'International Air Transport Association' (IATA)
(CAO: International Civil Aviation Organization
(CAO)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
MDG: International Air Transport association
(CAO)
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
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ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
MDG: International Air Transport association
(CAS)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
HMIS: Marardous Materials Information System (Canada)
LC50: Lethal concentralis Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (USA)
NTP: National Toxicology Program (USA)
TMP: National Toxicology Program (USA)
MTP: N