

Safety Data Sheet per OSHA HazCom 2012

Reviewed	on 12/22/2009
1 Identification	
Product identifier	
Product name: 2,6-Dichlorophenylacetonitrile	
Stock number: L01832 CAS Number: 3215-64-3	
EC number: 221-730-8	
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, call Carechem 24 at (866) 928-078 During normal business hours, call Carechem 24 at (866) 928-078	9.
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. Acute Tox. 3 H311 Toxic in contact with skin.	
Acute Tox. 3 H331 Toxic if inhaled.	
GHS07	
Skin Irrit. 2 H315 Causes skin irritation.	
Eye Irrit. 2A H319 Causes serious eye irritation. STOT SE 3 H335 May cause respiratory 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	
GHS06	
Signal word Danger Hazard statements	
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled. H315 Causes skin irritation.	
H319 Causes serious eye irritation. H335 May cause respiratory irritation.	
Precautionary statements	
P280 Wear protective gloves / protective clothing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P309 IF exposed or if you feel unwell: P310 Immediately call a POISON CENTER/doctor/	
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 I FIRE I FIRE I	
REACTIVITY 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:	
3215-64-3 2,6-Dichlorophenylacetonitrile	
Identification number(s): Carteria (Control of Control	
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4 First-aid measures	
Description of first aid measures General information	
Immediately remove any clothing soiled by the product. Remove breathing apparatus only after contaminated clothing has been completely removed. 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.	
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 Do not induce vomiting; immediately call for medical help. 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 dioxide Nitrogen oxides (NOX) Hydrogen chloride (HCI) Hydrogen cyanide (HCN) 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 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. Open and handle container with care. 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.	
Store away from strong bases. 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: 3215-64-3 2,6-Dichlorophenylacetonitrile (100.0%)	
PEL (USA) Long-term value: 5 mg/m ³ as CN; Skin	
Additional information: No data	
Exposure controls Personal protective equipment General protective and hygienic measures	
General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed.	
Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Store protective clothing separately.	
Avoid contact with the ĕyes and sƙin. Maintain an ergonomically appropriate working environment. Breathing equipment: Use self-contained respiratory protective device in emergency situations.	
Breatning equipment: Use self-contained respiratory protective device in emergency situations. Protection of hands: Impervious gloves	
Check protective gloves prior to each use for their proper condition.	(Contd. on page 3)
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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.

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9 Physical and chemical properties			
Information on basic physical and chemical properties			
General Information			
Appearance:			
Form:	Crystalline powder		
Color: Odor:	White Characteristic		
Odor threshold:	Not determined.		
pH-value:	Not applicable.		
Change in condition			
Melting point/Melting range:	74-77 °C (165-171 °F)		
Boiling point/Boiling range:	Not determined Not determined		
Sublimation temperature / start:			
Flash point:	Not applicable		
Flammability (solid, gaseous)	Not determined.		
Ignition temperature: Decomposition temperature:	Not determined Not determined		
Auto igniting:	Not determined Not determined		
Danger of explosion:	Product does not present an explosion hazard.		
Explosion limits:	Product does not present an explosion nazard.		
Lower:	Not determined		
Upper:	Not determined		
Vapor pressure:	Not applicable.		
Density:	Not determined		
Relative density	Not determined.		
Vapor density Evaporation rate	Not applicable.		
Solubility in / Miscibility with	Not applicable.		
Water:	Insoluble		
Partition coefficient (n-octanol/water):			
Viscosity:			
dynamic:	Not applicable.		
kinematic:	Not applicable.		
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.

Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Bases

Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides

Hydrogen chloride (HCl) Hydrogen cyanide

11 Toxicological information

 Toxicological information

 Information on toxicological effects

 Acute toxicity:

 Toxic in contact with skin.

 Toxic if inhaled.

 Toxic if iswallowed.

 Danger through skin absorption.

 LD/LC50 values that are relevant for classification: No data

 Skin irritation or corrosion: Causes skin irritation.

 Eye irritation or corrosion: Causes serious eye irritation.

 Sensitization: No classification and control of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

 Reproductive toxicity: 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. 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 oflow material to be released to the environment without proper co

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.

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Product name: 2,6-Dichlorophenylacetonitrile	
Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information availab	(Contd. of page 3) le.
13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations Uncleaned packagings: Recommendation: Disposal must be made according to offici	
14 Transport information	
UN-Number DOT, IMDG, IATA	UN3439
UN proper shipping name DOT IMDG, IATA	Nitriles, solid, toxic, n.o.s. (2,6-Dichlorophenylacetonitrile) NITRILES, SOLID, TOXIC, N.O.S. (2,6-Dichlorophenylacetonitrile)
Transport hazard class(es) DOT	
Class Label	6.1 Toxic substances. 6.1
Class Label IMDG, IATA	6.1 (T2) Toxic substances 6.1
Class Label	6.1 Toxic substances. 6.1
Packing group DOT, IMDG, IATA	III
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Toxic substances
Transport in bulk according to Annex II of MARPOL73/78 a	and the IBC Code Not applicable.
Transport/Additional information: DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	UN3439, Nitriles, solid, toxic, n.o.s. (2,6-Dichlorophenylacetonitrile), 6.1, III
15 Regulatory information Safety, health and environmental regulations/legislation s GHS label elements The product is classified and labeled in a Hazard pictograms GHS06	pecific for the substance or mixture accordance with 29 CFR 1910 (OSHA HCS)
P309 IF exposed or if you feel unwell: P310 Immediately call a POISON CENTER/docton National regulations This product is not listed in the U.S. Environmental Protection to research and development only. This product must be used	r, r several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. pr/ Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted by or directly under the supervision of a technically qualified individual as defined by TSCA. This
The conditions of restrictions according to Article 67 and market and use must be observed.	ance is not listed. not listed. isted. ied.
Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisa Chemical safety assessment: A Chemical Safety Assessme	ation for use) Substance is not listed. nt has not been carried out.

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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. Conformance with 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 11/23/2015 /
Abbreviations and acronyms:

RID: Réglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Civil Aviation Organization" (IATA)
ICAO: The retinational Civil Aviation Organization
ICAO: Thermational Maritime Code for Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transport Association
IATA: International Air Transp

USA