



	Reviewed on 04/25/2005
1 Identification	
Product identifier	
Product name: 2,6-Dichlorostyrene	
Stock number: B22156 CAS Number: 28469-92-3	
EC number:	
249-039-7 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:	04 -4 (000) 000 0700
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)	
H227 Combustible liquid. 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 Not applicable	
Signal word Warning	
Hăzard statements H227 Combustible liquid.	
Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.	
P280 Wear profective gloves/protective clothing/eve protection/face protection	
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
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Classification system HMIS ratings (scale 0-4)	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
$\begin{array}{c c} \text{HEALTH} & 1 \\ \text{FRE} & 2 \\ \hline \text{Flammability} = 2 \end{array}$	
REACTIVITY 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: 28469-92-3 2,6-Dichlorostyrene	
Identification number(s):	
EC number: 249-039-7 '	
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 alcoho Special hazards arising from the substance or mixture With a substance or mixture	I resistant foam.

Suitable extinguishing agents Carbon dioxide, extinguishing po 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

Product name: 2,6-Dichlorostyrene

Hydrogen chloride (HCI) 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: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). 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. 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: Not required. 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.

Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands:

Impervious gloves

Experiences gloves by the 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. Experiences and the protection: Safety glasses

Body protection: Protective work clothing.

9 Physical and chemical properties

er nyelear and enemiear properties	
Information on basic physical and ch General Information Appearance: Form: Odor: Odor: Odor threshold:	e mical properties Liquid Not determined Not determined.
pH-value:	Not determined.
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined 88-90 °C (190-194 °F) (8mm Hg) Not determined
Flash point: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	71 °C (160 °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: dwnmin.	
dynamic:	Not determined.

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kinematic:	Not determined.	(Contd. of page
Other information	Not determined. No further relevant information available.	
Stability and reactivity		
Reactivity No information known	n. r recommended storage conditions.	
Thermal decomposition / cond	litions to be avoided: Decomposition will not occur if used and stored according to specifications.	
Conditions to avoid No further	ions No dangerous reactions known relevant information available.	
Incompatible materials: Oxidizi Hazardous decomposition pro	ing agents	
Carbon monoxide and carbon die Hydrogen chloride (HCI)	oxide	
1 Toxicological information Information on toxicological en	ffacts	
Acute toxicity: No effects know	n.	
LD/LC50 values that are relevand Skin irritation or corrosion: Ma	ay cause irritation	
Eye irritation or corrosion: Ma Sensitization: No sensitizing eff	v cause irritation	
Germ cell mutagenicity: No eff	on which which we have a set of the state of	
Reproductive foxicity: No effect	ts known.	
Specific target organ system to	oxicity - repeated exposure: No effects known. oxicity - single exposure: No effects known.	
Aspiration hazard: No effects k Subacute to chronic toxicity: N	nown.	
Additional toxicological inform	nation: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
2 Ecological information		
Toxicity Aquatic toxicity: No further rele	evant information available.	
Persistence and degradability	No further relevant information available.	
Mobility in soil No further releva		
Additional ecological informat General notes:		
Do not allow material to be relea	sed to the environment without proper governmental permits.	
Avoid transfer into the environme	r large quantities to reach ground water, water course or sewage system. ent.	
Results of PBT and vPvB asse PBT: Not applicable.	ssment	
vPvB: Not applicable. Other adverse effects No furthe	er relevant information available.	
3 Disposal considerations		
Waste treatment methods	· · · · · · · · · · · · · · · · · · ·	
Uncleaned packagings:	e, local or national regulations to ensure proper disposal.	
Recommendation: Disposal mu	ist be made according to official regulations.	
4 Transport information Not a hazardous material for trar	usportation	
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name		
DOT, IMDG, IATA Transport hazard class(es)	None	
DOT, ADR, IMDG, IATA	Mana	
Class Packing group	None	
Packing group DOT, IMDG, IATA	None	
Environmental hazards: Special precautions for user	Not applicable. Not applicable.	
	Annex II of MARPOL73/78 and the IBC Code Not applicable.	
Transport/Additional informati		
DOT Marine Pollutant (DOT):	No	
5 Regulatory information		
Safety, health and environmen	ntal regulations/legislation specific for the substance or mixture ct is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)	
Hazard pictograms Not applicat	ble	
Signal word Warning Hazard statements		
H227 Combustible liquid. Precautionary statements		
P210 Keep away from hea	at/sparks/open flames/hot surfaces. No smoking.	
P280 Wear protective glo	ves/protective clothing/eye protection/face protection. for extinction: CO2, powder or water spray.	
P370+P378 In case of fire: Use i		(Contd. on pag

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 P403+P235 Store in a well-ventilated place. Keep cool.
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 P501
 Dispose of contents/container in accordance with local/regional/national/international regulations.

 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.

 SARA Section 313 (specific toxic chemical listings) Substance is not listed.

 Prop 65 - Chemicals known to cause cancer Substance is not listed.

 Prop 65 - Developmental toxicity, female Substance is not listed.

 Prop 65 - Developmental toxicity, female Substance is not listed.

 Prop 65 - Developmental toxicity, female Substance is not listed.

 Prop 65 - Developmental toxicity female Substance is not listed.

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 Prop 65 - Developmental toxicity female Substance is not listed.

 Information about limitation of use: For use only by technically qualified individuals.

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.

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. conformance with this Material Safety Data Sheet, or in con Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / -Abbrevations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Maritime Code for Dangerous Goods DOT: US Department of Transportation EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstrats Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent VPW: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) MTP: National Toxicology Program (USA) ARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

USA