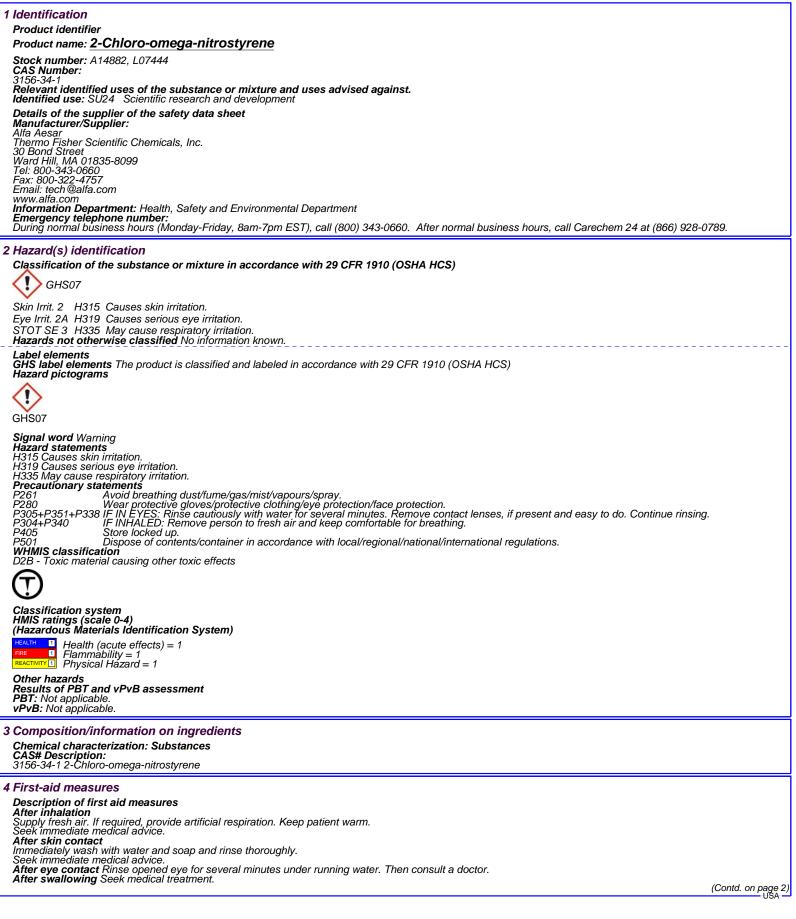


Safety Data Sheet per OSHA HazCom 2012



	Newew		
Product name: 2-Chloro-omega-nitro	ostyrene		
		(Contd. of page 1)	
Information for doctor	te hath south and delayed his further relevant information sucilable	(11 11 11 11 11 11 11 11 11 11 11 11 11	
Indication of any immediate medical a	ts, both acute and delayed No further relevant information available. attention and special treatment needed No further relevant information available.		
	·		
5 Fire-fighting measures			
Extinguishing media Suitable extinguishing agents Carbon	a diavida, avtinguishing nowder or water spray. Fight larger fires with water spray or alcohol resistant foam		
Special hazards arising from the subs	n dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.		
If this product is involved in a fire, the foll	illowing can be released:		
Carbon monoxide and carbon dioxide 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 equi	inment and emergency procedures		
Wear protective equipment. Keep unprot	prected persons away.		
Ensure adequate ventilation Environmental precautions: Do not allo	llow material to be released to the environment without proper governmental permits.		
Methods and material for containment	nt and cleaning up: Ensure adequate ventilation.		
Prevention of secondary hazards: No Reference to other sections	special measures required.		
See Section 7 for information on safe ha	andling		
See Section 8 for information on persona See Section 13 for disposal information.	nal protection equipment.		
7 Handling and storage			
Handling			
Precautions for safe handling Keep container tightly sealed.			
Keep container tightly sealed. Store in cool, dry place in tightly closed of Ensure good ventilation at the workplace	containers.		
Ensure good ventilation at the workplace	e. • explosions and fires: No information known.		
Conditions for safe storage, including	•		
Storage			
Requirements to be met by storeroom	ms and receptacles: No special requirements.		
Information about storage in one com Further information about storage cor	nmon storage facility: Store away from oxidizing agents.		
Keep container tightly sealed.			
Store in cool, dry conditions in well seale Specific end use(s) No further relevant	ed containers.		
Specific end use(s) no futuror relevant			
8 Exposure controls/personal prote	ection	I	
Additional information about design o	of technical systems:		
	designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.		
Control parameters	anite manifesting at the weylenlage. Not required		
Additional information: No data	quire monitoring at the workplace: Not required.		
Exposure controls		1	
Personal protective equipment General protective and hygienic meas		1	
General protective and nygleric meas The usual precautionary measures for h	sures candling chamicals should be followed		
Keep away from foodstuffs, beverages a	and feed.		
Remove all soiled and contaminated clot	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 eves and skin.			
Maintain an ergonomically appropriate w	working environment. spirator when high concentrations are present.		
Protection of hands:	pilator when high concentrations are present.		
Impervious aloves	for their reason condition		
The selection of suitable gloves not only	se for their proper condition. y depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.		
Eve protection: Safety glasses			
Body protection: Protective work clothin	ng.		
9 Physical and chemical properties	s		
Information on basic physical and che	emical properties		
General Information			
Appearance: Form:	Crystalline powder		
Odor:	Not determined		
Odor threshold:	Not determined.		
pH-value:	Not applicable.		
Change in condition Melting point/Melting range:	51-52 °C (124-126 °F)		
Boiling point/Boiling range:	Not determined Ó		
Sublimation temperature / start:	Not determined		
Flash point: Flammability (solid, gaseous)	Not applicable Not determined.		
Ignition temperature:	Not determined		
Decomposition temperature:	Not determined		
Auto igniting:	Not determined.	(Contd. on page 3)	
L		USA	

Product name: 2-Chloro-omega-nitrostyrene

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Product name: 2-Chloro-omega-nitro	ostyrene	
		(Contd. of page 2)
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: dynamic: kinematic: Other information	Product does not present an explosion hazard. Not determined Not applicable. Not determined. Not determined. Not applicable. Not determined. Not determined. Not determined. Not determined. Not determined. Not determined. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.	
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recomm Thermal decomposition / conditions to Possibility of hazardous reactions No Conditions to avoid No further relevant Incompatible materials: Oxidizing agem Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen chloride (HCI)	information available	
Reproductive toxicity: No effects know Specific target organ system toxicity - Specific target organ system toxicity - Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect	in irritation. ious eye irritation. own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. n. - repeated exposure: No effects known. - single exposure: May cause respiratory irritation.	
12 Ecological information Toxicity Aquatic toxicity: No further relevant info Persistence and degradability No furthe Bioaccumulative potential No further relevant Mobility in soil No further relevant infor Additional ecological information: General notes: Do not allow material to be released to th Do not allow undiluted product or large q Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant	er relevant information available. elevant information available. mation available. he environment without proper governmental permits. uantities to reach ground water, water course or sewage system.	
13 Disposal considerations Waste treatment methods Recommendation Consult state, local o Uncleaned packagings: Recommendation: Disposal must be ma	r national regulations to ensure proper disposal. ade according to official regulations.	
14 Transport information Not a hazardous material for transportati UN-Number		
DOT, IMDG, IATA UN proper shipping name DOT, IMDG, IATA	None	
Transport hazard class(es) DOT, ADR, IMDG, IATA Class	None	
Packing group DOT, IMDG, IATA	None	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
	II of MARPOL73/78 and the IBC Code Not applicable.	
Transport/Additional information:	Not dangerous according to the above specifications.	
		(Contd. on page 4)

roduct name: 2-Chloro-omega-nitrosty	
	(Contd. of page
DOT Marine Pollutant (DOT):	No
15 Demokratin fermenting	
	ns/legislation specific for the substance or mixture and labeled in accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
P304+P340 IF INHALED: Remove pers P405 Store locked up. P501 Dispose of contents/contain National regulations This product is not listed in the U.S. Environm to research and development only. This produ product must not be used for commercial purp SARA Section 313 (specific toxic chemical California Proposition 65 Prop 65 - Chemicals known to cause cance Prop 65 - Developmental toxicity, Substance Prop 65 - Developmental toxicity, male Sub Information about limitation of use: For use Other regulations, limitations and prohibiti Substance of Very High Concern (SVHC) ac The conditions of restrictions according to market and use must be observed. Substance is not listed.	Mective clothing/eyé prótection/face protection. Isly with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Iner in accordance with local/regional/national/international regulations. Iner in accordance with local/regional/national/international regulations. Iner in accordance with local/regional/national/international regulations. Inertial Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted inter must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This poses or in formulations for commercial purposes. I istings) Substance is not listed. I istings) Substance is not listed. I stance is not listed. I only by technically qualified individuals. I only by technically qualified individuals. I cording to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. I Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the utring Authorisation for use) Substance is not listed.
6 Other information Employers should use this information only as information to ensure proper use and protect t	s a supplement to other information gathered by them, and should make independent judgement of suitability of this the health and safety of employees. This information is furnished without warranty, and any use of the product not in heet, or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing I Date of preparation / last revision 11/23/201 Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American C HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent VPVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hy OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	Department 15 / - Chemical Society) n (Canada)