



1 Identification
Product identifier Product name: 3-Chlorocinnamic acid, predominantly trans
Stock number: L04389
CAS Number:
1866-38-2 EC number:
217-478-3 Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development
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 (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)
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.
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
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GHS07
Signal word Warning
Hazard statements H315 Causes skin irritation.
H319 Causes serious eve irritation.
H335 May cause respirátory irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P201 What protective gloves/info/gas/info/apours/spira/. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304+P340 IF INLALES. Remove person to fresh air and keep comfortable for breathing. P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS classification D2B - Toxic material causing other toxic effects
Classification system HMIS ratings (scale 0-4)
(Hazardous Materials Identification System)
HEALTH I Health (acute effects) = 1 FIRE Filammability = 1 Filammability = 1
REACTIVITY Physical Házard = 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:
1866-38-2 3-Chlorocinnamic acid, predominantly trans
Identification number(s): EC number: 217-478-3
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.
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After swallowing Seek medical treatme Information for doctor Most important symptoms and effects	r several minutes under running water. Then consult a doctor. ent. s, both acute and delayed No further relevant information available. attention and special treatment needed No further relevant information available.	(Contd. of page 1)	
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon Special hazards arising from the subs If this product is involved in a fire, the fol Carbon monoxide and carbon dioxide Hydrogen chloride (HCl) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	n dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. stance or mixture Ilowing can be released:		
6 Accidental release measures Personal precautions, protective equi Wear protective equipment. Keep unpro- Ensure adequate ventilation Environmental precautions: Do not all Methods and material for containmen Prevention of secondary hazards: No Reference to other sections See Section 7 for information on safe ha See Section 8 for information on persons See Section 13 for disposal information.	low material to be released to the environment without proper governmental permits. I t and cleaning up: Ensure adequate ventilation. special measures required. andling al protection equipment.		
Conditions for safe storage, including Storage Requirements to be met by storeroom	explosions and tires: No information known. g any incompatibilities ns and receptacles: No special requirements. nmon storage facility: Store away from oxidizing agents. nditions:		
8 Exposure controls/personal prote Additional information about design of Properly operating chemical fume hood Control parameters			
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. 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. Penetration time of glove material (in minutes) Not determined Eye protection: Safety glasses Body protection: Protective work clothing.			
9 Physical and chemical properties			
Information on basic physical and che General Information Appearance: Form: Color: Odor:	emical properties Powder Off-white Not determined		
Odor threshold:	Not determined.		
pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range:	Not applicable. 162-164 °C (324-327 °F) Not determined		
Sublimation temperature / start: Flash point:	Not determined Not applicable		
Flammability (solid, gaseous)	Not determined.	(Contd. on page 3)	

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Ignition temperature:	Not determined	(Contd. of page 2)
Decomposition temperature: Auto igniting:	Not determined Not determined.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits: Lower:	Not determined	
Upper: Vapor pressure:	Not determined Not applicable.	
Density: Relative density	Not applicable. Not determined Not determined.	
Vapor density	Not applicable.	
Evaporation rate Solubility in / Miscibility with	Not applicable.	
Water: Partition coefficient (n-octanol/water)	Not determined : Not determined.	
Viscosity: dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known. Chemical stability Stable under recom	mended storage conditions.	
Thermal decomposition / conditions Possibility of hazardous reactions No	to be avoided: Decomposition will not occur if used and stored according to specifications.	
Conditions to avoid No further relevan Incompatible materials: Oxidizing age	t information available.	
Hazardous decomposition products:		
Carbon monoxide and carbon dioxide Hydrogen chloride (HCl)		
11 Toxicological information		
Information on toxicological effects		
Acute toxicity: No effects known. LD/LC50 values that are relevant for o	classification: No data	
Skin irritation or corrosion: Causes su Eye irritation or corrosion: Causes se	rious eve irritation	
Sensitization: No sensitizing effects kn	own.	
Carcinogenicity: No classification data	own. own. or carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Specific target organ system toxicity	- repeated exposure: No effects known.	
Specific target organ system toxicity Aspiration hazard: No effects known.	- single exposure: May cause respiratory irritation.	
Subacute to chronic toxicity: No effect	ts known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
12 Ecological information	, , , , , , , , , , , , , , , , ,	
12 Ecological information Toxicity		
Aquatic toxicity: No further relevant in Persistence and degradability No furt	formation available.	
Bioaccumulative potential No further Mobility in soil No further relevant info	relevant information available.	
Additional ecological information:	mation available.	
General notes: Do not allow material to be released to a	the environment without proper governmental permits.	
Do not allow undiluted product or large Avoid transfer into the environment.	quantities to reach ground water, water course or sewage system.	
Results of PBT and vPvB assessmen PBT: Not applicable.	t	
vPvB: Not applicable. Other adverse effects No further releva	ant information available	
13 Disposal considerations Waste treatment methods		
Recommendation Consult state, local	or national regulations to ensure proper disposal.	
Uncleaned packagings: Recommendation: Disposal must be n	nade according to official regulations.	
14 Transport information		
Not a hazardous material for transportat	tion.	
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
Transport hazard class(es)	NUNG	
DOT, ADR, IMDG, IATA	Maria	
Class Packing group	None	
Packing group DOT, IMDG, IATA	None	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	(Contd. on page 4)
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Transport in bulk according to Annex II of MARPOL73/7	· · · · · · · · · · · · · · · · · · ·
Transport/Additional information:	Not dangerous according to the above specifications.
DOT	
Marine Pollutant (DOT):	No
Regulatory information	
Safety, health and environmental regulations/legislation	n specific for the substance or mixture
GHS label elements The product is classified and labeled a Hazard pictograms	in accordance with 29 CFR 1910 (OSHA HCS)
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GHS07	
Signal word Warning Hazard statements	
H315 Causes skin irritation.	
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P305+P351+P338 IF IN EYES: Rinše cautiously with water P304+P340 IF INHALED: Remove person to fresh ai	ng/eye protection/race protection. for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. ir and keep comfortable for breathing.
P405 Store locked up.	
National regulations	ance with local/regional/national/international regulations.
All components of this product are listed in the U.S. Enviror	nmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.
SARA Section 313 (specific toxic chemical listings) Sub California Proposition 65	
Prop 65 - Chemicals known to cause cancer Substance a Prop 65 - Developmental toxicity Substance is not listed.	is not listed.
Prop 65 - Developmental toxicity, female Substance is no	ot listed.
Prop 65 - Developmental toxicitý, male Substance is not Information about limitation of use: For use only by tech	nically qualified individuals
Other regulations, limitations and prohibitive regulation	15 ''
The conditions of restrictions according to Article 67 ar	no any quanties intervised to: s the REACH Regulations (EC) No. 1907/2006. Substance is not listed. nd Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on
market and use must be observed. Substance is not listed.	
Annex XIV of the REACH Regulations (requiring Author Chemical safety assessment: A Chemical Safety Assess	risation for use) Substance is not listed.
Chemical safety assessment: A Chemical Safety Assessi	ment has not been carried out.
Other information	at to other information asthered by them and should make independent independent of quitability of this
information to ensure proper use and protect the health and	nt to other information gathered by them, and should make independent judgement of suitability of this I safety of employees. This information is furnished without warranty, and any use of the product not
	mbination 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:	arguises par chemin de far (Regulations Concerning the International Transport of Dangerous Goods hu Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport / ICAO: International Civil Aviation Organization	Association" (IATA)
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization IMDG: International Maritime Code for Dangerous Goods	ereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) Association" (IATA) n" (ICAO)
DUT: US Department of Transportation	
EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)	
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LDOD. Leftial dougles, 50 percent PVB: very Persistent and very Bioaccumulative ACCIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) AIRC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	
NTP: National Toxicology Program (USA)	
EPA: Environmental Protection Agency (USA)	