



	Neviewed of 12/23/2000		
1	Identification		
	Product identifier Product name: 5-Chloro-7-methylisatin		
	Stock number: L11682		
	CAS Number: 14389-06-1		
	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 (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) The substance is not classified according to the Globally Harmonized System (GHS).		
	Hazards not otherwise classified No information known.		
	Label elements GHS label elements Not applicable		
	Hazard pictograms Not applicable Signal word Not applicable		
	Hazard statements Not applicable WHMIS classification Not controlled		
	Classification system HMIS ratings (scale 0-4)		
	(Hazardouš Materials Identification System) Health (acute effects) = 1		
	Preduction Flammability = 1 ReacTIVITY 1 Physical Hazard = 1		
	Other hazards Results of PBT and vPvB assessment		
	PBT: Not applicable.		
3	Composition/information on ingredients		
-	Chemical characterization: Substances		
	CAS# Description: 14389-06-1 5-Chloro-7-methylisatin		
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.		
	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.		
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5	Fire-fighting measures Extinguishing media		
	Suitable extinguishing agents Carbon diovide, 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 dióxide Nitrogen oxides (NOx) Hydrogen chloride (HCl)		
	Advice for firefighters Protective equipment:		
	Wear self-contained respirator. Wear fully protective impervious suit.		
6	Accidental release measures		
U	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: Pick up mechanically.		
	Prevention of secondary hazards: No special measures required.		
	Reference to other sections		

Cooperation of far information on normany	- I to - to	(Contd. of page
See Section 8 for information on persona See Section 13 for disposal information.	al protection equipment.	
'Handling and storage		
Handling Precautions for safe handling		
Keep container tightly sealed.		
Store in cool, dry place in tightly closed c	containers. explosions and fires: No information known.	
Conditions for safe storage, including		
Storage		
Information about storage in one com	ns and receptacles: No special requirements. mon storage facility: Store away from oxidizing agents. notifiones.	
Further information about storage con Keep container tightly sealed.		
Store in cool, dry conditions in well seale Specific end use(s) No further relevant	ed containers.	
Exposure controls/personal prote		
	or technical systems: designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.	
Control parameters	with a still in at the weyleloos. Not say inad	
Components with limit values that req Additional information: No data	quire monitoring at the workplace: Not required.	
Exposure controls		
Personal protective equipment General protective and hygienic meas		
The usual precautionary measures for ha	andling chemicals should be followed.	
Keep away from foodstuffs, beverages a Remove all soiled and contaminated clot	Ind feëd. thing immediately	
Wash hands before breaks and at the en	nd of work.	
Maintain an ergonomically appropriate w Breathing equinment: Use suitable resu	vorking environment. pirator when high concentrations are present.	
Protection of hands:	pirator when high concentrations are present.	
Impervious aloves	- to their manage condition	
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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 Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides

5-Chloro-7-mothylisatin duct

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Product name: 5-Chloro-7-methylisatin				
Hydrogen chloride (HCl)		(Contd. of page 2)		
11 Toxicological information Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: May cause irritation Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No classification data on carcinogenic properties of th Reproductive toxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects k Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Subacute to chronic toxicity: No effects known. Additional toxicological information: To the best of our knowledge the	is known. nown.			
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 allow material to be released to the environment without proper g Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant 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 made according to official regulations.				
14 Transport information Not a hazardous material for transportation.				
UN-Number DOT, IMDG, IATA	None			
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.			
Transport in bulk according to Annex II of MARPOL73/78 and the IE				
Transport/Additional information: DOT	Not dangerous according to the above specifications.			
Marine Pollutant (DOT):	No			
15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements. Not applicable Hazard pictograms. Not applicable Hazard statements. Not applicable Hazard statements. Not applicable Hazard statements. Not applicable Hazard statements. Not applicable 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. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, temale Substance is not listed. Prop 65 - Developmental toxicity by technically qualified individuals. Other regulations, limitations 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.				
		(Contd. on page 4)		

Product name: 5-Chloro-7-methylisatin

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(Contd. of page 3)

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 11/24/2015 / Abbreviations and acronyms:

ID: 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 Air Transport Association" (IATA)
ICAC: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
IMDG: International Civil Aviation of the American Chemical Society)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal dose, 50 percent
VPWs very Persistent and very Bioaccumulative
ACGIH: American Chernental Industrial Hygienists (USA)
OSHA: Occupational Safety and Health Administration (USA)
IMTP: National Toxicology Program (USA)
IATE: International Air and the Administration (USA)
IATE: International Agency for Research on Cancer
EPA: Environmental Protection Agency (USA)

USA