

Safety Data Sheet per OSHA HazCom 2012

1 Identification
1 Identification
Product identifier
Product name: 2,4,6-Trimethylbenzoyl chloride
Stock number: L01051 CAS Number:
938-18-1
EC number: 213-339-6
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
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
2 Hazard(s) identification
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
GHS05 Corrosion
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eve Dam. 1 H318 Causes service skin damage. Eve Dam. 1 H318 Causes serious eve damage. 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
GHS05
Signal word Danger
Hazard statements
H314 Causes severe skin burns and eye damage. Precautionary statements
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P260 Do not breathe dust/fume/gas/mist/vapours/spray. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. 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
E - Corrosive material
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Classification system
HMIS ratings (scale 0-4)
(Hazardou's Materials Identification System)
HEALTH B Health (acute effects) = 3 FIRE D Flammability = 1
Reactivity [] Physical Hazard = 1
Other hazards Results of PBT and vPvB assessment
Results of PBT and vPvB assessment PBT <u>:</u> Not applicable.
vPvB: Not applicable.
3 Composition/information on ingredients
Chemical characterization: Substances
CAS# Description: 938-18-1 2,4,6-Trimethylbenzoyl chloride
Identification number(s)
EC number: 213-339-6
4 First-aid measures
Description of first aid measures
General information Immediately remove any clothing soiled by the product. 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 immédiate medical advice. (Contd. on page 2)
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Product name: 2,4,6-Trimethylbenzoy	I chloride	
After swallowing Seek medical tréatment Information for doctor Most important symptoms and effects, Causes severe skin burns. Causes serious eye damage.		(Contd. of page 1)
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents CO2, san Special hazards arising from the substa If this product is involved in a fire, the follo Carbon monoxide and carbon dioxide Hydrogen chloride (HCI) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	nd, extinguishing powder. Do not use water. ance or mixture wing can be released:	
Methods and material for containment a	cted persons away. w material to be released to the environment without proper governmental permits. and cleaning up: diatomite, acid binders, universal binders, sawdust). re according to section 13. pecial measures required. dlina	
Conditions for safe storage, including a Storage Requirements to be met by storerooms	xplosions and fires: No information known. any incompatibilities and receptacles: No special requirements. non storage facility: Store away from oxidizing agents. ditions: I containers.	
Control parameters Components with limit values that requ Additional information: No data Exposure controls Personal protective equipment General protective and hygienic measu The usual precautionary measures for har Keep away from foodstuffs. beverages and	technical systems: esigned for hazardous chemicals and having an average face velocity of at least 100 feet per minute. ire monitoring at the workplace: Not required. res ndling chemicals should be followed. d feed.	
Impervious gloves Check protective gloves prior to each use	rking environment. rator when high concentrations are present. for their proper condition. lepends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.	
9 Physical and chemical properties		
Information on basic physical and chem General Information Appearance: Form: L Color: Color: N Odor: N Odor threshold: N	iquid Colorless Vot determined Vot determined.	
pH-value: N	Not determined.	(Contd. on page 3)
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Product name: 2,4,6-Trimethylbenzoyl chloride

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Change in condition	Conta. oi pa
Melting point/Melting range: Boiling point/Boiling range:	Not determined 143-146 °C (289-295 °F) (60mm Hg)
Sublimation temperature / start:	Not determined
Flash point: Elammability (solid, gasoous)	> 110 °C (> 230 °F) Not determined.
Flammability (solid, gaseous) Ignition temperature:	Not determined
Decomposition temperature: Auto igniting:	Not determined Not determined.
	Product does not present an explosion hazard.
Danger of explosion: Explosion limits: Lower:	Not determined
Upper:	Not determined
Vapor pressure: Density at 20 °C (68 °F):	Not determined 1.1 g/cm³ (9.18 lbs/gal)
Density at 20 °C (68 °F): Relative density Vapor density	Not determined. Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with Water:	Reacts slowly.
Partition coefficient (n-octanol/water)	: Not determined.
Viscosity: dynamic:	Not determined.
kinematic: Other information	Not determined. No further relevant information available.
10 Stability and reactivity	
Reactivity No information known.	mended storage conditions
Thermal decomposition / conditions	mended storage conditions. to be avoided: Decomposition will not occur if used and stored according to specifications. dengencus reactions known
Possibility of hazardous reactions No Conditions to avoid No further relevan	a digorous reactions known
Incompatible materials:	
Active metals Bases	
Oxidizing agents Hazardous decomposition products:	
Carbon monoxide and carbon dioxide	
Hydrogen chloride (HCl)	
11 Toxicological information Information on toxicological effects	
Acute toxicity: Swallowing will lead to a	a strong corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.
LD/LC50 values that are relevant for of Skin irritation or corrosion: Causes so	evere skin burns.
Eve irritation or corrosion: Causes se	rious eve damage.
Sensitization: No sensitizing effects kn Germ cell mutagenicity: No effects kn	own. Dwn.
Reproductive toxicity: No effects know	on 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.	
Subacute to chronic toxicity: No effect Additional toxicological information:	ts known. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.
12 Ecological information	
Toxicity	
Aquatic toxicity: No further relevant int	formation available.
Persistence and degradability No furth Bioaccumulative potential No further	relevant information available.
Mobility in soil No further relevant info Additional ecological information:	mation available.
General notes:	he environment without proper gevernmental servite
Avoid transfer into the environment.	he environment without proper governmental permits.
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	or national regulations to ensure proper disposal.
Uncleaned packagings:	
Recommendation: Disposal must be m	ade according to official regulations.
14 Transport information	
UN-Number DOT, IMDG, IATA	11/1/2265
UN proper shipping name	UN3265
DOT	Corrosive liquid, acidic, organic, n.o.s. (2,4,6-trimethylbenzoyl chloride) CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (2,4,6-trimethylbenzoyl chlor
IMDG, IATA	
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roduct name: 2,4,6-Trimethylbenzoyl chloride	Reviewed on 10/29/2008
Transport hazard class(es)	(Contd. of page 3
DOT	
Class	8 Corrosive substances.
Label Class	8
Label IMDG, IATA	8 (C3) Corrosive substances 8
Class Label	8 Corrosive substances. 8
Packing group DOT, IMDG, IATA	11
Environmental hazards:	Not applicable.
Special precautions for user Segregation groups	Warning: Corrosive substances Acids
Transport in bulk according to Annex II of MARPOL73/78 and the	
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	UN3265, Corrosive liquid, acidic, organic, n.o.s. (2,4,6-trimethylbenzoyl chloride), 8, II
	0, 11
P405 Store locked up. P501 Dispose of contents/container in accordance with I	ninated clothing. Rinse skin with water/shower. Il minutes. Remove contact lenses, if present and easy to do. Continue rinsing. miting.
to research and development only. This product must be used by or d product must not be used for commercial purposes or in formulations SARA Section 313 (specific toxic chemical listings) Substance is r California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qua Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH	 Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted incetly under the supervision of a technically qualified individual as defined by TSCA. This for commercial purposes. d. lified individuals. H Regulations (EC) No. 1907/2006. Substance is not listed. XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the

IATA: Internátional Air Transpórt Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts 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 VPVB: very Persistent and very Bioaccumulative ACGH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA)

Product name: 2,4,6-Trimethylbenzoyl chloride

NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) Page 5/5 Printing date 11/23/2015 Reviewed on 10/29/2008

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