

Safety Data Sheet per OSHA HazCom 2012

1 Identification

Product identifier Product name: 3',4'-Dimethylacetophenone

Stock number: A12187, L06505 **CAS Number:** 3637-01-2 EC number: -859-2 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. Inerrito Fisher Scheman C. 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.

I abel 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) (Hazardous Materials Identification System)



Health (acute effects) = 1 Flammability = 1 Flammability = 1 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: 3637-01-2 3',4'-Dimethylacetophenone Identification number(s): EC number: 222-859-2

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 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 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: No special measures required.

Product name: 3',4'-Dimethylacetophenone

Page 2/4 Printing date 11/23/2015 Reviewed on 02/06/2007

(Contd. of page 1)

Reference to other sections		(Contd. of page 1)
See Section 7 for information on safe handling		
See Section 8 for information on person See Section 13 for disposal information	nal protection equipment. n.	
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7 Handling and storage Handling		
Precautions for safe handling Keep container tightly sealed.		
Store in cool, dry place in tightly closed	d containers.	
Information about protection against	t explosions and tires: No information known.	
Conditions for safe storage, including Storage	ıg any incompatibilities	
Requirements to be met by storeroor	oms 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 seal		
Specific end use(s) No further relevant	it information available.	
8 Exposure controls/personal prot		
Additional information about design	n of technical systems:	
Properly operating chemical fume hood	d designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.	
Control parameters Components with limit values that re	equire monitoring at the workplace: Not required.	
Additional information: No data	quire monitoring at the normalized not required.	
Exposure controls Personal protective equipment		
General protective and hygienic mea	asures	
The usual precautionary measures for h	handling chemicals should be followed.	
Keep away from foodstuffs, beverages a Remove all soiled and contaminated clo Wash hands before breaks and at the e	othing immediately.	
Maintain an ergonomically appropriate v	working environment.	
Breathing equipment: Use suitable res Protection of hands:	espirator when high concentrations are present.	
Impervious gloves	the factor of the second se	
Check protective gloves prior to each us The selection of suitable gloves not only	ly depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.	
Eye protection: Safety glasses Body protection: Protective work cloth	hina	
9 Physical and chemical properties Information on basic physical and ch		
General Information	iemical properties	
Appearance: Form:	Liquid	
Color: Odor:	Yellow Not determined	
Odor: Odor threshold:	Not determined	
pH-value:	Not determined.	
Change in condition Melting point/Melting range:	Not determined	
Boiling point/Boiling range:	242-243 °C (468-469 °F)	
Sublimation temperature / start:	Not determined	
Flash point: Flammability (solid, gaseous)	Not determined.	
Ignition temperature: Decomposition temperature:	Not determined Not determined	
Auto igniting:	Not determined.	
Danger of explosion: Explosion limits:	Product does not present an explosion hazard.	
Lower:	Not determined	
Upper: Vapor pressure:	Not determined Not determined	
Density at 20 °C (68 °F): Relative density	1.001 g/cm³ (8.353 lbs/gal) Not determined.	
Vapor density	Not determined.	
Evaporation rate Solubility in / Miscibility with	Not determined.	
Water: Partition coefficient (n-octanol/water)	Not miscible or difficult to mix r): Not determined.	
Viscosity:	, ,	
dynamic: kinematic:	Not determined. Not determined.	
Other information	No further relevant information available.	
10 Otability and reactivity		
10 Stability and reactivity Reactivity No information known.		
Chemical stability Stable under recom	nmended storage_conditions.	
Thermal decomposition / conditions	to be avoided: Decomposition will not occur if used and stored according to specifications.	

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

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Product name: 3',4'-Dimethylacetophenone

Page 3/4 Printing date 11/23/2015 Reviewed on 02/06/2007

	(Contd. of page 2)
terial is available from the EPA, IARC, NTP, OSHA or ACGIH. wn. re and chronic toxicity of this substance is not fully known.	
amental permits.	
er disposal.	
None	
None	
None	
None	
None	
Not applicable.	
Not applicable.	
de Not applicable.	
Not dangerous according to the above specifications.	
No	
substance or mixture Agency Toxic Substances Control Act Chemical substance Inventor es List (DSL). 1. lividuals. ations (EC) No. 1907/2006. Substance is not listed. the Regulation (EC) No 1907/2006 (REACH) for the manufacturin	
	wn. e and chronic toxicity of this substance is not fully known. mental permits. er disposal. None None None None None None Not applicable. de Not applicable. Not dangerous according to the above specifications. No substance or mixture Agency Toxic Substances Control Act Chemical substance Inventor, se List (DSL). Ividuals.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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Page 4/4 Printing date 11/23/2015 Reviewed on 02/06/2007

(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 con Department issuing SDS: Global Marketing Department Date of preparation / last revision 1/23/2015 / -Abbreviations and acronyms: IMD6: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Maritime Code for Dangerous Goods DOT: US Department of Transport 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, 60 percent VPWs 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) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) USA