



Keviewe	ea on 10/10/2008
1 Identification	
Product identifier Product name: 2',6'-Difluoro-4'-methoxyacetophenone	
Stock number: H26614	
CAS Number: 886498-84-6	
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 The Annual 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 <b>Information Department:</b> 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) 928-07	789
2 Hazard(s) identification Cląssification 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.	
Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms	
GHS07	
Signal word Warning Hazard statements	
H315 Causes skin irritation. H319 Causes serious eye irritation.	
H335 May cause respirátory irritation.  Precautionary statements	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P205: P251 P250 W V V St. Pince every with under a content in the Parage and the protection of accurate the continue ringing.	
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. 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	
$(\mathbf{T})$	
Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH I Health (acute effects) = 1 FIRE I Flammability = 1	
REACTWITY 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:	
886498-84-6 2', 6'-Difluoro-4'-methoxyacetophenone	
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. <b>After skin contact</b>	
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.	(Contd on Torio C)
	(Contd. on page 2)

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(Contd. on page 3)

## Product name: 2',6'-Difluoro-4'-methoxyacetophenone

Information for doctor Most important symptoms and effects Indication of any immediate medical a	<b>'s, both acute and delayed</b> No further relevant information available. <b>attention and special treatment needed</b> 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 foo Carbon monoxide and carbon dioxide Hydrogen fluoride (HF) 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. <b>stance or mixture</b> Illowing can be released:	
Methods and material for containmen	otected persons away. Now material to be released to the environment without proper governmental permits. In <b>and cleaning up:</b> d, diatomite, acid binders, universal binders, sawdust). o special measures required. andling al protection equipment.	
Conditions for safe storage, including Storage Requirements to be met by storeroon	explosions and fires: No information known. g any incompatibilities ns and receptacles: No special requirements. nmon storage facility: Store away from oxidizing agents. anditions: led containers.	
8 Exposure controls/personal prote Additional information about design of Properly operating chemical fume hood Control parameters Components with limit values that red	ection	
<b>Protection of hands:</b> Impervious gloves Check protective gloves prior to each us	and reed. ord of work. working environment. spirator when high concentrations are present. se for their proper condition. y depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. minutes) Not determined	
9 Physical and chemical properties Information on basic physical and che General Information Appearance: Form:	emical properties	
Color: Odor: Odor threshold:	Liquid Colorless Not determined Not determined.	
pH-value:	Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined Not determined	
Flash point: Flammability (solid, gaseous) Ignition temperature:	Not determined Not determined. Not determined	(0. 1/
		(Contd. on page 3)

## Product name: 2',6'-Difluoro-4'-methoxyacetophenone

Product name: 2',6'-Difluoro-4'-metho	Dxyacetophenone	
Decomposition tomporature.	Not data mixed	(Contd. of page 2)
	Not determined Not determined.	
Explosion limits: Lower: Upper:	Product does not present an explosion hazard. Not determined Not determined	
Density: Relative density	Not determined Not determined Not determined. Not determined.	
Evaporation rate Solubility in / Miscibility with	Not determined. Not determined	
Viscosity: dynamic: kinematic:	Not determined. Not determined.	
Other information	No further relevant information available.	
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 agent Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen fluoride	information available.	
Reproductive toxicity: No effects known Specific target organ system toxicity - Specific target organ system toxicity - Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects	n irritation. ious eye irritation. wn. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. n. <b>repeated exposure:</b> No effects known. <b>single exposure:</b> May cause respiratory irritation.	
12 Ecological information Toxicity Aquatic toxicity: No further relevant info	ormation available.	
	nation available. le environment without proper governmental permits. uantities to reach ground water, water course or sewage system.	
13 Disposal considerations		
Waste treatment methods	r national regulations to ensure proper disposal. ade according to official regulations.	
14 Transport information Not a hazardous material for transportatio	on.	
UN-Number DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
Tory, march 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 IBC Code Not applicable.	
		(Contd. on page 4)

Product name: 2',6'-Difluoro-4'-methoxyacetopheno	
Transport/Additional information:	(Contd. of page 3) (Contd. of page 3) (Contd. of page 3) (Contd. of page 3)
DOT	
Marine Pollutant (DOT):	No
15 Regulatory information	
Safety, health and environmental regulations/legislation s GHS label elements The product is classified and labeled in Hazard pictograms	specific for the substance or mixture accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
Signal word Warning Hazard statements	
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P261 Avoid breathing dust/fume/gas/mist/vapou	urs/spray.
P304+P340 IF INHALED: Remove person to fresh air a	or several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordan	nce with local/regional/national/international regulations.
National regulations This product is not listed in the U.S. Environmental Protection to research and development only. This product must be used product must not be used for commercial purposes or in form SARA Section 313 (specific toxic chemical listings) Subst	n Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted of by or directly under the supervision of a technically qualified individual as defined by TSCA. This rulations for commercial purposes.
California Proposition 65	
Prop 65 - Chemicals known to cause cancer Substance is Prop 65 - Developmental toxicity Substance is not listed.	
Prop 65 - Developmental toxicity, female Substance is not Prop 65 - Developmental toxicity, male Substance is not lis	sted.
Information about limitation of use. For use only by technic	ically qualified individuals
Substance of Very High Concern (SVHC) according to the The conditions of restrictions according to Article 67 and	e REACH Regulations (EC) No. 1907/2006. Substance is not listed. d 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 Authoris Chemical safety assessment: A Chemical Safety Assessme	sation for use) Substance is not listed.
Chemical safety assessment: A Chemical Safety Assessme	ent has not been carried out.
information to ensure proper use and protect the health and s	to other information gathered by them, and should make independent judgement of suitability of this safety of employees. This information is furnished without warranty, and any use of the product not in bination 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: RID: Règlement international concernant le transport des marchandises dangereu	euses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Ass ICAO: International Civil Aviation Organization ICAO.TI: Technical Instructions by the "International Civil Aviation Organization" (	euses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) sociation" (IATA) ((CAO)
ICAO-TT: Technical Instructions by the "International Civil Aviation Organization" ( IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association	
IATA: International Air Transport Association 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	
LDOD. Lettina duse, policitari VPVB: 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) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	
IAPC: International Againau for Pagagraph on Canaar	