



News.	wed 0/1 11/12/2013
1 Identification	
Product identifier	
Product name: 1-Benzyloxycarbonyl-L-prolinamide	
Stock number: H65307 CAS Number: 34079-31-7	
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)	
GHS07	
Acute Tox. 4 H302 Harmful if swallowed.	
Skin Irrit. 2 H315 Causes skin irritation.	
Eye Irrit. 2A H319 Causes serious eye irritation. STOT SE 3 H335 May cause respiratory 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	
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GHS07	
Signal word Warning	
Hazard statements	
H302 Harmful if swallowed. H315 Causes skin irritation.	
H319 Causes serious eye irritation. H335 May cause respiratory irritation. <b>Precautionary statements</b>	
P261 Avoid breathing dust/fume/gas/mist/vapours/sprav.	
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 rinsi	ng.
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	
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Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH       2         FIRE       1         Flammability = 1         REACTIVITY       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:	
34079-31-7 1-Benzyloxycarbonyl-L-prolinamide	
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 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.	
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Pro	roduct name: 1-BenzyloxyCarbonyl-L-prolinamide	
	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.	(Contd. of page 1)
5	<ul> <li>5 Fire-fighting measures</li> <li>Extinguishing media</li> <li>Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant</li> <li>Special hazards arising from the substance or mixture</li> <li>If this product is involved in a fire, the following can be released:</li> <li>Carbon monoxide and carbon dioxide</li> <li>Nitrogen oxides (NOx)</li> <li>Advice for firefighters</li> <li>Protective equipment:</li> <li>Wear self-contained respirator.</li> <li>Wear fully protective impervious suit.</li> </ul>	ıt foam.
	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 product to reach sewage system or any water course. Methods and material for containment and cleaning up: Dispose of contaminated material as waste according to section 13. Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	
7	7 Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: Refrigerate Information about storage in one common storage facility: Protect from heat. Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Refrigerate Specific end use(s) No further relevant information available.	
£	<ul> <li>8 Exposure controls/personal protection</li> <li>Additional information about design of technical systems: Properly operating chemical furme hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per min Control parameters</li> <li>Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data</li> <li>Exposure controls Personal protective equipment General 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 solied 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. Recommended filter device for short term use: Use a respirator with type N95 (USA) or PE (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. Protection of hands: Impervious gloves Check protective gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Eye protection: Safety glasses Body protection: Protective work clothing.</li> </ul>	ed to determine if air-
9 Physical and chemical properties		
	Information on basic physical and chemical properties General Information Appearance: Form: Powder	
	Odor: Not determined	
	Odor threshold:         Not determined.           pH-value:         Not applicable.	
	Change in condition Melting point/Melting range: 90-95 °C (194-203 °F) Boiling point/Boiling range: Not determined Sublimation temperature / start: Not determined	
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## Product name: 1-Renzyloxycarbonyl-l -prolinamide

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	Reviewed on 11/12/2		
Product name: 1-Benzyloxycarbony	yl-L-prolinamide		
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Flammability (solid, gaseous)	Not determined.		
Ignition temperature:	Not determined		
Decomposition temperature: Auto igniting:	Not determined Not determined.		
	Not determined.		
Danger of explosion: Explosion limits:	Not determined.		
Lower:	Not determined		
Upper: Vapor processor	Not determined		
Vapor pressure: Density:	Not applicable. Not determined		
Relative density	Not determined.		
Vapor density	Not applicable.		
Evaporation rate Solubility in / Miscibility with	Not applicable.		
Water:	Not determined		
Partition coefficient (n-octanol/water)	): Not determined.		
Viscosity: dynamic:	Not applicable.		
kinematic:	Not applicable.		
Other information	No further relevant information available.		
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0 Stability and reactivity			
Reactivity No information known.	amondod otorogo conditiono		
Chemical stability Stable under recom	to be avoided: Decomposition will not occur if used and stored according to specifications.		
Possibility of hazardous reactions Re	eacts with strong oxidizing agents		
Conditions to avoid No further relevant	nt information available.		
Incompatible materials: Oxidizing agents			
Heat			
Hazardous decomposition products:			
Carbon monoxide and carbon dioxide Nitrogen oxides			
1 Toxicological information			
Information on toxicological effects			
Acute toxicity: Harmful if swallowed.			
LD/LC50 values that are relevant for (			
Skin irritation or corrosion: Causes s	kin irritation.		
Eye irritation or corrosion: Causes se			
Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known.			
Carcinogenicity: No classification data	a on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.		
Reproductive toxicity: No effects know	wn.		
Specific target organ system toxicity Specific target organ system toxicity	r - repeated exposure: No effects known. r - single exposure: May cause respiratory irritation.		
Aspiration hazard: No effects known.			
Subacute to chronic toxicity: No effect	cts known. : To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.		
Additional toxicological information.			
2 Ecological information			
Toxicity			
Aquatic toxicity: No further relevant in	nformation available.		
Persistence and degradability No furt	ther relevant information available.		
Bioaccumulative potential No further Mobility in soil No further relevant info	relevant information available. simation available		
Additional ecological information:			
General notes:			
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	nt		
PBT: Not applicable.			
vPvB: Not applicable. Other adverse effects No further releva	vent information available		
3 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		
Recommendation. Disposal must be in			
4 Transport information			
UN-Number			
DOT, ADN, IMDG, IATA	Not applicable		
UN proper shipping name DOT, ADN, IMDG, IATA	Not applicable		
Transport hazard class(es)			
DOT, ADR, ADN, IMDG, IATA			
DOT, ADR, ADN, IMDG, IATA Class	Not applicable		
Packing group DOT, IMDG, IATA	Not applicable		
Environmental hazards:	Not applicable.		
Special precautions for user	Not applicable.		
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