



	Kevie	wed on 09/20/2013
1	Identification Product identifier	
	Product name: Aniracetam	
	Stock number: J61661 CAS Number:	
	72432-10-1 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.
	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) (Hazardous Materials Identification System)	
	HEALTH I Health (acute effects) = 1 FIRE I Flammability = 1 REACTIVITY I 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: 72432-10-1 Aniracetam	
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 dioxide Nitrogen oxides (NOx) 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	
	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: Pick up mechanically. Prevention of secondary hazards: No special measures required. Reference to other sections	
	Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment.	
		(Contd. on page 2)

Product name: Aniracetam

See Section 13 for disposal information.

See Section 13 for disposal information.					
7 Handling and storage					
Handling	Handling				
Precautions for safe handling Keep container tightly sealed.	Precautions for safe handling Keep container tightly sealed				
Store in cool, dry place in tightly closed containers.					
Information about protection against explosions and fires: No information known.					
Conditions for safe storage, including any incompatibilities Storage					
Requirements to be met by storeroon	ns and receptacles: No special requirements. Imon storage facility: Store away from oxidizing agents.				
Further information about storage co	nditions:				
Keep container tightly sealed. Store in cool, dry conditions in well sealed containers.					
Specific end use(s) No further relevant	information available.				
8 Exposure controls/personal prote	8 Experience controls/personal protection				
Additional information about design of technical systems:					
Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.					
Control parameters 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					
Exposure controls Personal protective equipment					
General protective and hygienic measures for h	sures andling chemicals should be followed				
Keep away from foodstuffs, beverages a Remove all soiled and contaminated clo	and feed.				
Remove all soiled and contaminated clo Wash hands before breaks and at the e	thing immediately. nd of work.				
Maintain an ergonomically appropriate v	vorking environment.				
Protection of hands:	spirator when high concentrations are present.				
Impervious gloves	oo far thair proper condition				
The selection of suitable gloves not only	se for their proper condition. / depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.				
Penetration time of glove material (in Eye protection: Safety glasses	minutes) Not determined				
Body protection: Protective work cloth	ing.				
0 Physical and the mited mean attac					
9 Physical and chemical properties					
Information on basic physical and chemical properties General Information					
Appearance:	Devider				
Form: Color:	Powder White to pale yellow				
Odor: Odor threshold:	Not determinéd Not determined.				
pH-value:	Not determined. Not applicable.				
Change in condition					
Melting point/Melting range:	Not determined				
Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined				
Flammability (solid, gaseous)	Not determined.				
Ignition temperature: Decomposition temperature:	Not determined Not determined				
Auto igniting:	Not determined.				
Danger of explosion:	Not determined.				
Explosion limits: Lower:	Not determined				
Upper:	Not determined				
Vapor pressure: Density:	Not applicable. Not determined				
Relative density	Not determined.				
Vapor density Evaporation rate	Not applicable. Not applicable.				
Solubility in / Miscibility with Water:	Not determined				
Partition coefficient (n-octanol/water)					
Viscosity: dynamic:	Not applicable.				
kinematic:	Not applicable.				
Other information	No further relevant information available.				
10 Stability and reactivity					
Reactivity No information known.					
Chemical stability Stable under recom	mended storage conditions. t o be avoided : Decomposition will not occur if used and stored according to specifications.				
Possibility of hazardous reactions Re	Possibility of hazardous reactions Reacts with strong oxidizing agents				
Conditions to avoid No further relevan	Conditions to avoid No further relevant information available.				
Incompatible materials: Oxidizing age Hazardous decomposition products:	ns				
Carbon monoxide and carbon dioxide					
Nitrogen oxides					

Nitrogen oxides

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11 Toxicological information	
Information on toxicological effects	al Substances (DTECS) contains couts tovisity data for this substance
LD/LC50 values that are relevant for classification:	al Substances (RTECS) contains acute toxicity data for this substance.
Oral LD50 4500 mg/kg (rat)	
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.	properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
Reproductive toxicity: The Registry of Toxic Effects of	Chemical Substances (RTECS) contains reproductive data for this substance.
Specific target organ system toxicity - repeated expo Specific target organ system toxicity - single exposu	vsure: No effects known. ve: No effects known
Aspiration hazard: No effects known.	
Subacute to chronic toxicity: The Registry of Toxic Eff Additional toxicological information: To the best of ou	fects of Chemical Substances (RTECS) contains multiple dose toxicity data for this substance. ur knowledge the acute and chronic toxicity of this substance is not fully known.
12 Ecological information	
Toxicity Aquatic toxicity: No further relevant information availab	ble
Aquatic toxicity: No further relevant information availab Persistence and degradability. No further relevant information of the second	mation available.
Bioaccumulative potential No further relevant informati Mobility in soil No further relevant information available	ion available. 2
Additional ecological information:	·
General notes: Do not allow undiluted product or large quantities to reac	ch around water, water course or sewage system.
Avoid transfer into the environment. Results of PBT and vPvB assessment	. g. ouru nuto, n
PBT: Not applicable.	
vPvB: Not applicable. Other adverse effects No further relevant information as	
13 Disposal considerations	
Waste treatment methods	
Recommendation Consult state, local or national regula Uncleaned packagings:	
Recommendation: Disposal must be made according to	o official regulations.
14 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	
Class	Not applicable
Packing group DOT, IMDG, IATA	Natannlianha
Environmental hazards:	Not applicable Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL7	
Transport/Additional information:	
DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	
15 Regulatory information	· · · · · · · · · · · · · · · · · · ·
Safety, health and environmental regulations/legislat GHS label elements Not applicable	tion specific for the substance or mixture
Hazard pictograms Not applicable Signal word Not applicable	
Signal word Not applicable Hazard statements Not applicable	
National regulations	
This product is not listed in the U.S. Environmental Prote to research and development only. This product must be	ection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted a 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	e used by or directly under the supervision of a technically qualified individual as defined by TSCA. This formulations for commercial purposes.
This product is not listed on the Canadian Domestic Sub- SARA Section 313 (specific toxic chemical listings) S	ostances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). Substance is not listed.
California Proposition 65	
Prop 65 - Chemicals known to cause cancer Substance Prop 65 - Developmental toxicity Substance is not liste	ce is not listea. ed
Prop 65 - Developmental toxicity, female Substance is	s not listed.
Prop 65 - Developmental toxicity, male Substance is n Information about limitation of use: For use only by te	echnically qualified individuals
Other regulations, limitations and prohibitive regulat	to the REACH Regulations (EC) No. 1907/2006. Substance is not listed.
Substance of Very High Concern (SVHC) according to The conditions of restrictions according to Article 67	to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. 7 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
market and use must be observed.	מוע אווופא איזו טו גופ הפעומנטו (בטן אס זטטובטטט וובאטון זט גוט וומומומטנגווואט אונייש בייש בייש ביי
Substance is not listed. Annex XIV of the REACH Regulations (requiring Auth	horisation for use) Substance is not listed
Chemical safety assessment: A Chemical Safety Asse	essment has not been carried out.
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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 use Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - Abbreviations and accoryms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) DOT: US Department of Transportation 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 concentration, 50 percent LD50: Lethal concentration of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) MTP: National Toxicology Program (USA) MARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

USA