



Rev	newed on 06/12/200
1 Identification	
Product identifier	
Product name: 2,3-Dihydro-1H-benz[de]isoquinoline	
Stock number: L15613 CAS Number:	
22817-26-1 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	
Tex: 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) 92	28-0789.
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 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	
Hazard statements H314 Causes severe skin burns and eye damage.	
Precautionary statements	
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 rins P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.	sina
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.	sing.
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	
Classification system	
HMIS ratings (scale 0-4)	
(Hazardouš Materials Identification System) HEALTH Image: Contrast of the system HEALTH Image: Contrast of the system HEALTH Image: Contrast of the system	
IFRE IFREMEDIATIVE IFREACTIVITY 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: 22817-26-1 2,3-Dihydro-1H-benz[de]isoquinoline	
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.	
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.	
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(Contd. of page 1)

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Information for doctor Most important symptoms and effects, both acute and delayed Causes severe skin burns. Causes serious eve damage 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 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: Use neutralizing agent. 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 Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. 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: 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 sealed containers. Specific end use(s) No further relevant information available. 8 Exposure 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: Not required. Additional information: No data Exposure controls Personal 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 soiled 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. Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Penetration time of glove material (in minutes) Not determined Eye protection: Tightly sealed googles Avoid contact with the eyes and skin. Tightly sealed goggles Body protection: Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information

Appearance:	
΄Form:	Crystalline powder
Color:	Brown
Odor:	Not determined
Odor threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range:	98-104 °C (208-219_°F)
Boiling point/Boiling range:	120 °C (248 °F) (0.5 mmHg)

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Sublimation temperature / start:	Not determined	
Flash point: Flammability (solid, gaseous) Ignition temperature:	Not applicable Not determined. Not determined	
Decomposition temperature:	Not determined	
Auto igniting: Danger of explosion:	Not determined. Product does not present an explosi	ion hazard.
Explosion limits: Lower:	Not determined	
Upper:	Not determined	
Vapor pressure: Density:	Not applicable. Not determined	
Relative density Vapor density	Not determined. Not applicable.	
Evaporation rate Solubility in / Miscibility with	Not applicable.	
Water: Partition coefficient (n-octanol/water)	Insoluble): Not determined.	
Viscosity: dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information avail	able
10 Stability and reactivity		
Reactivity No information known. Chemical stability Stable under recom	mended storage conditions.	
Thermal decomposition / conditions Possibility of hazardous reactions No	to be avoided: Decomposition will no	t occur if used and stored according to specifications.
Conditions to avoid No further relevan	nt information available.	
Incompatible materials: Oxidizing age Hazardous decomposition products:	ms	
Carbon monoxide and carbon dioxide Nitrogen oxides		
11 Toxicological information		
Information on toxicological effects		
Acute toxicity: Swallowing will lead to	a strong corrosive effect on mouth and	d throat and to the danger of perforation of esophagus and stomach.
LD/LC50 values that are relevant for Skin irritation or corrosion: Causes s	evere skin burns.	
Eye irritation or corrosion: Causes se Sensitization: No sensitizing effects kn	erious eye damage.	
Germ cell mutagenicity: No effects kn	iown.	taristic susilable from the EBA JADO NED OCUA or ACOUL
Reproductive toxicity: No effects know	wn.	terial is available from the EPA, IARC, NTP, OSHA or ACGIH.
Specific target organ system toxicity	- repeated exposure: No effects kno	lwn.
Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect	cts known	
Additional toxicological information:	To the best of our knowledge the acu	te and chronic toxicity of this substance is not fully known.
12 Ecological information		
Toxicity	formation and lable	
Aquatic toxicity: No further relevant in Persistence and degradability No furt		
Bioaccumulative potential No further a Mobility in soil No further relevant info	relevant information available. rmation available.	
Additional ecological information: General notes:		
Do not allow material to be released to	the environment without proper gover	nmental permits.
Avoid transfer into the environment. Results of PBT and vPvB assessmen	ıt	
PBT: Not applicable. vPvB: Not applicable.		
Other adverse effects No further relevant	ant information available.	
13 Disposal considerations		
Waste treatment methods Recommendation Consult state, local	or national regulations to ensure prop	er disposal.
Uncleaned packagings: Recommendation: Disposal must be n	0 1 1	
•		
14 Transport information UN-Number		
DOT, ÎMDĜ, IATA		UN3259
UN proper shipping name DOT MDC 14TA		Amines, solid, corrosive, n.o.s. (2,3-Dihydro-1H-benz[de]isoquinoline)
IMDG, IATA Transport hazard class(es)		AMINES, SOLID, CORROSIVE, N.O.S. (2,3-Dihydro-1H-benz[de]isoquinoline)
DOT		
<u>A</u>		
V		
Class Label		8 Corrosive substances. 8
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	noline
Class	(Contd. of pa 8 (C8) Corrosive substances
Label	8
IMDG, IATA	
Class	8 Corrosive substances.
Label	8
Packing group DOT, IMDG, IATA	III
Environmental hazards:	Not applicable.
Special precautions for user Segregation groups	Warning: Corrosive substances Alkalis
Transport in bulk according to Annex II of MARPOL	
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
Marine Pollutant (DOT): UN "Model Regulation":	No UN3259, Amines, solid, corrosive, n.o.s. (2,3-Dihydro-1H-benz[de]isoquinoline),
Regulatory information	
P305+P351+P338 IF IN EYES: Rinse cautiously with v P301+P330+P331 IF SWALLOWED: rinse mouth. Do P405 Store locked up. P501 Dispose of contents/container in ac National regulations This product is not listed in the U.S. Environmental Pro to research and development only. This product must lo product must not be used for commercial purposes or SARA Section 313 (specific toxic chemical listings, California Proposition 65	/vapours/spray. iately all contaminated clothing. Rinse skin with water/shower. water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. NOT induce vomiting. ccordance with local/regional/national/international regulations. otection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restri- be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This in formulations for commercial purposes.
Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity Substance is not lis Prop 65 - Developmental toxicity, female Substance Prop 65 - Developmental toxicity, male Substance is Information about limitation of use: For use only by Other regulations, limitations and prohibitive regul Substance of Very High Concern (SVHC) according	ance is not listed. sted. e is not listed. s not listed. technically qualified individuals. lations
Prop 65 - Developmental toxicity, male Substance is Information about limitation of use: For use only by Other regulations, limitations and prohibitive regul	ance is not listed. isted. s is not listed. s not listed. technically qualified individuals. lations g to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on uthorisation for use) Substance is not listed.
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