

Safety Data Sheet per OSHA HazCom 2012

1 Identification
Product identifier
Product name: (R)-(+)-2-Amino-1,1-diphenyl-1-propanol
Stock number: H51083 CAS Number:
78603-93-7 Relevant identified uses of the substance or mixture and uses advised against.
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)
GHS05 Corrosion
Skin Corr. 1C H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye 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
H314 Causes severe skin burns and eye damage.
Precautionary statements 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.
P305+P351+P338 IF IN EYES: Rinše cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P309 IF exposed or if you feel unwell:
P310 Immédiately call a POISON CENTER/doctor/ WHMIS classification
D2B - Toxic material causing other toxic effects E - Corrosive material
Classification system
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)
HEALTH 2 Health (acute effects) = 2
FRE I 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:
78603-93-7 (Ŕ)-(+)-2-Amino-1,1-diphenyl-1-propanol
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.
Supply nesh an. in required, provide antincial respiration. Reep patient warm. Seek immediate medical advice. After skin contact
Immediately wash with water and soap and rinse thoroughly.
Seek immédiate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.
After swallowing Seek medical tréatment. Information for doctor
Most important symptoms and effects, both acute and delayed Causes severe skin burns.
Causes serious eye damage. (Contd. on page 2
USA USA

Product name: (R)-(+)-2-Amino-1,1-diphenyl-1-propanol

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Indication of any immediate medical a	ttention and special treatment needed 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 fol Carbon monoxide and carbon dioxide Nitrogen oxides (NOX) Possibly Hydrogen cyanide (HCN) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. tance or mixture lowing can be released:	
6 Accidental release measures Personal precautions, protective equi Wear protective equipment. Keep unprof Ensure adequate ventilation Environmental precautions: Do not allo Methods and material for containment Use neutralizing agent. Dispose of contaminated material as was Ensure adequate ventilation. Prevention of secondary hazards: No Reference to other sections See Section 7 for information on safe ha See Section 13 for disposal information.	tected persons away. ow material to be released to the environment without proper governmental permits. t and cleaning up: ste according to section 13. special measures required. ndling	
Conditions for safe storage, including Storage	explosions and fires: No information known. a any incompatibilities as and receptacles: No special requirements. mon storage facility: aditions: ed containers.	
Control parameters Components with limit values that req Additional information: No data Exposure controls Personal protective equipment General protective and hygienic meas The usual precautionary measures for he Keep away from foodstuffs, beverages a Remove all soiled and contaminated clot Wash hands before breaks and at the er Avoid contact with the eyes and skin. Maintain an ergonomically appropriate w Breathing equipment: Use suitable res Protection of hands: Impervious gloves Check protective gloves prior to each use	of technical systems: designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. fures andling chemicals should be followed. nd feed. thing immediately. ad of work. torking environment. pirator when high concentrations are present. e for their proper condition. 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: Color: Odor:		
Odor threshold: pH-value:	Not determined.	
pri-value.	Not applicable.	(Contd. on page 3)

Product name: (R)-(+)-2-Amino-1,1-diphenyl-1-propanol

Product name: (R)-(+)-2-Amino-1,1-d	IIpnenyi-1-propanoi
	(Contd. of page 2
Change in condition Melting point/Melting range:	102-105 °C (216-221 °F)
Boiling point/Boiling range:	Not determined
Sublimation temperature / start: Flash point:	Not determined Not applicable
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 applicable.
Density:	Not determined
Relative density Vapor density	Not determined. Not applicable.
Evaporation rate Solubility in / Miscibility with	Not applicable.
Water:	Insoluble
Partition coefficient (n-octanol/water): Viscosity:	not determined.
dynamic: kinematic:	Not applicable. Not applicable.
Other information	No further relevant information available.
10 Stability and reactivity	
Reactivity No information known. Chemical stability Stable under recomm	nended storage conditions
Thermal decomposition / conditions to	nended storage conditions. o be avoided: Decomposition will not occur if used and stored according to specifications. dengerous reactions known
Conditions to avoid No further relevant	
Incompatible materials: Oxidizing agents	
Air	
Carbon dioxide Hazardous decomposition products:	
Carbon monoxide and carbon dioxide Nitrogen oxides	
Possibly Hydrogen cyanide (HCN)	
11 Toxicological information	
Information on toxicological effects	
Acute toxicity: Swallowing will lead to a	strong corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.
LD/LC50 values that are relevant for c Skin irritation or corrosion: Causes se	
Eye irritation or corrosion: Causes ser	rious eye damage.
Sensitization: No sensitizing effects kno Germ cell mutagenicity: No effects kno	wn. wn.
Carcinogenicity: No classification data Reproductive toxicity: No effects know	wm. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
Specific target organ system toxicity -	- repeated exposure: No effects known.
Specific target organ system toxicity - Aspiration hazard: No effects known.	• single exposure: No effects known.
Subacute to chronic toxicity: No effect	ts known.
Additional toxicological information:	To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.
12 Ecological information	
Toxicity	
Aquatic toxicity: No further relevant info Persistence and degradability No furth	ner relevant information available.
Bioaccumulative potential No further re Mobility in soil No further relevant inform	elevant information available.
Additional ecological information:	
General notes: Do not allow material to be released to the	he environment without proper governmental permits.
Avoid transfer into the environment.	
Results of PBT and vPvB assessment PBT: Not applicable.	
vPvB: Not applicable. Other adverse effects No further releva	and information overline to
	nt information available.
	int information available.
13 Disposal considerations	
13 Disposal considerations Waste treatment methods	
3 Disposal considerations Waste treatment methods Recommendation Consult state, local o Uncleaned packagings:	or national regulations to ensure proper disposal.
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	Reviewed on 02/05/2010
roduct name: (R)-(+)-2-Amino-1,1-diphenyl-1-prop	panol
	(Contd. of page 3
Transport hazard class(es)	
DOT	
(I)	
Class Label	8 Corrosive substances. 8
Class Label	8 (C8) Corrosive substances
ĪMDĞ, IATA	· ·
(I)	
Class Label	8 Corrosive substances. 8
Packing group DOT, IMDG, IATA	111
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Corrosive substances
EMS Number: Segregation groups	F-A,S-Ă Alkalis
Transport in bulk according to Annex II of MARPOL73/7	
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	UN3259, Amines, solid, corrosive, n.o.s. ((R)-(+)-2-Amino-1,1-diphenyl-1-
	propanol), 8, III
Safety, health and environmental regulations/legislation GHS label elements The product is classified and labeled in Hazard pictograms GHS05 Signal word Danger Hazard statements H314 Causes severe skin burns and eye damage. Precautionary statements P280 Wear protective gloves/protective clothin P305+P351+P338 IF_IN EYES: Rinse cautiously with water	ng/eye protection/face protection.
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