

Safety Data Sheet per OSHA HazCom 2012

1 Identification
Product identifier
Product name: (R)-(-)-2-Amino-1-phenylethanol
Stock number: L19403 CAS Number:
2549-14-6
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
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. 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 rinsing. P310Immediately call a POISON CENTER/doctor/
WHMIS classification
D2B - Toxic material causing other toxic effects E - Corrosive material
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Classification system HMIS ratings (scale 0-4)
(Hazardous Materials Identification System)
HEALTH 2 Health (acute effects) = 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:
2549-14-6 (R)-(-)-2-Amino-1-phenylethanol
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 immédiate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.
After śwallowing 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)

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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) Possibly Hydrogen cyanide (HCN) 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

Handle under dry protective gas. 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 air. Further information about storage conditions: Store under dry inert gas.

This product is air sensitive 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

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 solied and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the aves and skin

Vash 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. **Pretration time of glove material (in minutes)** Not determined **Eve protection:**

Eye protection: Tightly sealed goggles Full face protection Body protection Body protection: Protective work clothing.

0 Physical and chemical properties

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Information on basic physical and General Information Appearance: Form: Color: Odor: Odor threshold:	chemical properties Crystalline powder White Amine-like Not determined.
pH-value:	Not applicable.
Change in condition Melting point/Melting range: Boiling point/Boiling range:	57-63 °C (135-145 °F) 160 °C (320 °F) (17 mmHg)

Product name: (R)-(-)-2-Amino-1-phenvlethanol

Product name: (R)-(-)-2-Amino-1-ph	envlethanol	.010
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Sublimation temperature / start:	Not determined	
Flash point: Flammability (solid, gaseous)	Not applicable Not determined.	
Flammability (solid, gaseous) Ignition temperature:	Not determined	
Decomposition temperature: Auto igniting:	Not determined Not determined.	
Danger of explosion:	Product does not present an explosion 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	Not applicable.	
Solubility in / Miscibility with Water:	Insoluble	
Partition coefficient (n-octanol/water) Viscosity:		
dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
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10 Stability and reactivity		
Reactivity No information known. Chemical stability Stable under recom	we we de de terre ve acaditions	
I nermal decomposition / conditions i	to be avoided: Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions No Conditions to avoid No further relevan	o dangerous reactions known	
Incompatible materials:		
Oxidizing agents Air		
Carbon dioxide Hazardous decomposition products:		
Carbon monoxide and carbon dioxide		
Nitrogen oxides Possibly Hydrogen cyanide (HCN)		
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11 Toxicological information		
Acute toxicity: Swallowing will lead to	a strong corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach. classification: No data	
LD/LC50 values that are relevant for of Skin irritation or corrosion: Causes se	classification: No data evere skin hurns	
Eye irritation or corrosion: Causes se	erious eye damage.	
Sensitization: No sensitizing effects kn Germ cell mutagenicity: No effects kn	iown. own. o on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Reproductive toxicity: No effects know	<i>Nn</i>	
Specific target organ system toxicity	- repeated exposure: No effects known single exposure: No effects known.	
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.	
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12 Ecological information		
Toxicity Aquatic toxicity: No further relevant ini	formation available.	
Persistence and degradability No furth Bioaccumulative potential No further	her relevant information available.	
Mobility in soil No further relevant info	rmation available.	
Additional ecological information: General notes:		
	the environment without proper governmental permits.	
Results of PBT and vPvB assessmen	nt	
PBT: Not applicable. vPvB: Not applicable.		
Other adverse effects No further releva	ant information available.	
13 Disposal considerations		
Waste treatment methods		
Recommendation Consult state, local of Uncleaned packagings:	or national regulations to ensure proper disposal.	
Recommendation: Disposal must be m	nade according to official regulations.	
14 Transport information		
UN-Number		
DOT, IMDG, IATA	UN3259	
UN proper shipping name	Amines, solid, corrosive, n.o.s. ((R)-(-)-2-Amino-1-phenylethanol) AMINES, SOLID, CORROSIVE, N.O.S. ((R)-(-)-2-Amino-1-phenylethanol)	
IMDG, IATA		
	(Contd. on pa	ge 4) JSA

oduct name: (R)-(-)-2-Amino-1-phenylethanol	
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Transport hazard class(es)	· · · · · ·
DOT	
	8 Corrosivo substancos
Class Label	8 Corrosive substances. 8 9 (CO) Correction substances
Class Label	8 (C8) Corrosive substances 8
IMDG, IATA	
The second secon	
Class	8 Corrosive substances.
Label Packing group	8
Packing group DOT, IMDG, IATA	<i>III</i>
Environmental hazards:	Not applicable. Warning: Corrosive substances
Special precautions for user Segregation groups	Warning: Corrosive substances Alkalis
Transport in bulk according to Annex II of MARPOL73/	78 and the IBC Code Not applicable.
Transport/Additional information: DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	UN3259, Amines, solid, corrosive, n.o.s. ((R)-(-)-2-Amino-1-phenylethanol), 8, II
Hazard pictograms GHS05 Signal word Danger Hazard statements H314 Causes severe skin burns and eye damage. Precautionary statements P280 Wear protective gloves/protective clothil P303+P361+P353 If on skin (or hair): Take off immediately P305+P351+P338 IF IN EYES: Rinse cautiously with water P310 Immediately call a POISON CENTER/de Mational regulations	ng/eye protection/face protection. r all contaminated clothing. Rinse skin with water/shower. r for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. octor/
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