SIGMA-ALDRICH

Material Safety Data Sheet

Version 3.0 Revision Date 08/28/2009 Print Date 03/27/2011

	NY IDENTIFICATION			
	INT IDENTIFICATION			
Product name	: 3-Mercapto-2-	butanol, mixture of iso	mers	
Product Number	: 264792			
Brand	: Aldrich			
Company	: Sigma-Aldrich			
	3050 Spruce Stre SAINT LOUIS M			
	USA	00100		
Telephone	: +18003255832			
Fax Emergency Phone #	: +18003255052 : (314) 776-6555			
	, ,			
OMPOSITION/INFORM	IATION ON INGREDIENTS			
Formula	: C ₄ H ₁₀ OS			
Molecular Weight	: 106.19 g/mol			
CAS-No.	EC-No.	Index-No.	Concentration	
	l, mixture of isomers			
54812-86-1	- 	-	-	
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General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Flammable properties

Flash point

62 °C (144 °F) - closed cup

Ignition temperature no data available Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions

Do not let product enter drains.

Methods for cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection

Safety glasses with side-shields conforming to EN166

Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid
Colour	colourless
Safety data	
рН	no data available
Melting point	no data available
Boiling point	59 - 61 °C (138 - 142 °F) at 13 hPa (10 mmHg) - lit.
Flash point	62 °C (144 °F) - closed cup
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Density	0.999 g/mL at 25 °C (77 °F)
Water solubility	no data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong oxidizing agents, Strong bases

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Signs and Symptoms of Exposure

Nausea, Headache, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

UN-Number: 3334 Class: 9 Proper shipping name: Aviation regulated liquid, n.o.s. (3-Mercapto-2-butanol, mixture of isomers) Marine pollutant: No Poison Inhalation Hazard: No

IMDG

Not dangerous goods

UN-Number: 3334 Class: 9 Proper shipping name: Aviation regulated liquid n.o.s. (3-Mercapto-2	2-butanol mixture of isomers	2)
		»)
REGULATORY INFORMATION		
OSHA Hazards Combustible Liquid		
DSL Status		
This product contains the following components that are not on the	Canadian DSL nor NDSL lis CAS-No.	ts.
3-Mercapto-2-butanol, mixture of isomers	54812-86-1	
SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting	g requirements of SARA Titl	e III, Section 302.
SARA 313 Components SARA 313: This material does not contain any chemical component threshold (De Minimis) reporting levels established by SARA Title II		that exceed the
SARA 311/312 Hazards Fire Hazard		
Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Ac	ct.	
Pennsylvania Right To Know Components		
3-Mercapto-2-butanol, mixture of isomers	CAS-No. 54812-86-1	Revision Date
New Jersey Right To Know Components		
3-Mercapto-2-butanol, mixture of isomers	CAS-No. 54812-86-1	Revision Date
California Prop. 65 Components		

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

16. OTHER INFORMATION

Further information

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