



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

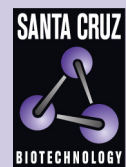
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

3,7-Dimethyloctylmagnesium bromide solution: sc-226323

MATERIAL SAFETY DATA SHEET



The Power to Question

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name: 3,7-Dimethyloctylmagnesium bromide solution
 Catalog Number: sc-226323
 Supplier: Santa Cruz Biotechnology, Inc.
 2145 Delaware Ave.
 Santa Cruz, California 95060
 800.457.3801 or 831.457.3800
 Emergency: ChemWatch
 Within the US & Canada: 877-715-9305
 Outside the US & Canada: +800 2436 2255
 (1-800-CHEMCALL) or call +613 9573 3112

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENT

Substance Name	CAS #	SARA 313
3,7-DIMETHYLOCTYLMAGNESIUM BROMIDE, 1.0M DIETHYL ETHER	None	No

Ingredient Name	CAS #	%	SARA 313
DIETHYL ETHER, INHIBITOR FREE	60-29-7	72	No
3,7-DIMETHYLOCTYLMAGNESIUM BROMIDE	114499-45-5	28	No

Formula: $C_{10}H_{21}BrMg$

Molecular Weight: 245.48

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Flammable (USA) Extremely Flammable (EU), Toxic (USA) Harmful (EU). Extremely flammable. May form explosive peroxides. Harmful if swallowed. Irritating to eyes, respiratory system and skin. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness. Target organ(s): Central nervous system. Kidneys.

HMIS RATING
 HEALTH: 2*
 FLAMMABILITY: 4
 REACTIVITY: 3

NFPA RATING
 HEALTH: 2
 FLAMMABILITY: 4
 REACTIVITY: 3

*additional chronic hazards present. For additional information on toxicity, please refer to Section 11.

SECTION 4 - FIRST AID MEASURES

ORAL EXPOSURE
 If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE
 If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

DERMAL EXPOSURE
 In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE
 In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE HAZARDS
 Flammable Hazards: Yes Peroxide Former: Yes

EXPLOSION HAZARDS
 Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions.

FLASH POINT - 13.0 °F - 25.0 °C Method: closed cup

EXPLOSION LIMITS
 Lower: 1.8 % Upper: 48 %

AUTOIGNITION TEMP
 160 °C

FLAMMABILITY
 N/A

EXTINGUISHING MEDIA
 Suitable: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

FIRE FIGHTING
 Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Flammable liquid. Emits toxic fumes under fire conditions.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL
 Evacuate area. Shut off all sources of ignition. Use nonsparking tools.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
 Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP
 Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

SECTION 7 - HANDLING AND STORAGE

HANDLING
 User Exposure: Do not breathe vapor. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

STORAGE
 Suitable: Keep tightly closed. Keep away from heat, sparks, and open flame.

SPECIAL REQUIREMENTS
 Light sensitive. Heat sensitive. Do not distill to dryness.

SECTION 8 - EXPOSURE CONTROLS / PPE

ENGINEERING CONTROLS
 Safety shower and eye bath. Use nonsparking tools. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT
 Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (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. Hand: Compatible chemical-resistant gloves. Eye: Chemical safety goggles.

continued...

GENERAL HYGIENE MEASURES

Remove and wash contaminated clothing promptly. Wash thoroughly after handling.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

pH N/A
BP/BP Range 34.6 °C at 760 mmHg
MP/MP Range -116.0 °C
Freezing Point N/A
Vapor Pressure 442.552 mmHg at 20 °C
Vapor Density 2.6 g/l
Saturated Vapor Conc. N/A
SG/Density 0.856 g/cm³ at 25 °C
Bulk Density N/A
Odor Threshold N/A
Volatile% N/A
VOC Content N/A
Water Content N/A
Solvent Content N/A
Evaporation Rate N/A
Viscosity N/A
Surface Tension N/A
Partition Coefficient N/A
Decomposition Temp. N/A
Explosion Limits Lower: 1.8 %
..... Upper: 48 %
Flammability N/A
Autoignition Temp 160 °C
Refractive Index 1.353
Optical Rotation N/A
Miscellaneous Data N/A
Solubility N/A
N/A= Not Available

SECTION 10 - STABILITY AND REACTIVITY

STABILITY

Stable: Stable. Conditions of Instability: May form peroxides of unknown stability.
Conditions to Avoid: Air. Heat. Light. Materials to Avoid: Oxidizing agents, Strong acids

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

ROUTE OF EXPOSURE

Skin Contact: Causes skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: Causes eye irritation.
Inhalation: Material is irritating to mucous membranes and upper respiratory tract.
May be harmful if inhaled.
Ingestion: Harmful if swallowed.

TARGET ORGAN(S) OR SYSTEM(S)

Skeletal muscle. G.I. System. Liver. Kidneys. Central nervous system.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Drowsiness. Dizziness. Contact with eyes can cause redness, tearing, and blurred vision. Prolonged or repeated contact with skin can cause defatting and dermatitis. Exposure can cause: Coughing, chest pains, difficulty in breathing.

SECTION 12 - ECOLOGICAL INFORMATION

ACUTE ECOTOXICITY TESTS

Test Type: LC50
Fish Species: Pimephales promelas (Fathead minnow) Daphnia magna
Time: 96 h
Value: 2,560 mg/l

SECTION 13 - DISPOSAL CONSIDERATIONS

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT

Proper Shipping Name: Ethyl ether solution
UN#: 1155
Class: 3
Packing Group: Packing Group I
Hazard Label: Flammable liquid
PIH: Not PIH

IATA

Proper Shipping Name: Ethyl ether solution
IATA UN Number: 1155
Hazard Class: 3
Packing Group: I

SECTION 15 - REGULATORY INFORMATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: F+-Xn Indication of Danger: Extremely Flammable. Harmful.
R: 12-19-22-66-67 Risk Statements: Extremely flammable. May form explosive peroxides. Harmful if swallowed. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness.
S: 9-16-29-33 Safety Statements: Keep container in a well-ventilated place. Keep away from sources of ignition - no smoking. Do not empty into drains. Take precautionary measures against static discharges.

US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Flammable (USA) Extremely Flammable (EU). Toxic (USA) Harmful (EU). Risk Statements: Extremely flammable. May form explosive peroxides. Harmful if swallowed. Irritating to eyes, respiratory system and skin. Repeated exposure may cause skin dryness or cracking. Vapors may cause drowsiness and dizziness. Safety Statements: Keep container in a well-ventilated place. Keep away from sources of ignition - no smoking. Do not empty into drains. Take precautionary measures against static discharges. US Statements: Target organ(s): Central nervous system. Kidneys.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR. DSL: No NDSL: No

SECTION 16 - OTHER INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

9/22/2011