

MATERIAL SAFETY DATA SHEET

Bemotrizinol

Section 1 - Chemical Product and Company Identification

Company Identification:

Product Name: Bemotrizinol

MFCI Code: Mfsorb 509

SECTION 2: PRODUCT IDENTIFICATION

Commodity Name: Bemotrizinol

Chemical Name: 2,4-bis-4-(2-ethyl-hexyloxy)-2-hydroxy-phenyl-6-(4-methoxy phenyl)-(1,3,5)-triazine

INCI Name: Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine (BEMT)

CAS No.: 187393-00-6

Molecular Formula: C₃₈H₄₉N₃O₅

SECTION 3: Hazards Identification

The following evaluation is in compliance with 29 CFR 1910.1200.

Emergency Overview

This product is : powder - light yellow

Solubility : immiscible in water

Odor : characteristic

Flammability (DOT173) : none

Flammability (OSHA) : None.

OSHA PHYSICAL HAZARD

(OTHER):

: None.

Acute Health Hazard

Eyes : Mild Eye Irritant

Skin : Mild Skin Irritant

Inhalation : Mild Inhalation Irritant

LD50 Oral : Not Toxic

LD50 Dermal : Not Toxic

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LC50 Inhalation : Not Toxic

Chronic Health Hazard:

This material has not been found to be carcinogenic per NTP.

This material has not been found to be carcinogenic per IARC.

This material has not been found to be carcinogenic per OSHA.

SECTION 4: FIRST AID MEASURES

Eye Contact:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Get medical aid. Wash mouth out with water.

Inhalation:

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Treat symptomatically and supportively.

SECTION 5: FIRE FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: CLOSED CUP: >100°C (212°F).

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂).

Fire Hazards in Presence of Various Substances:

Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in

presence of static discharge: Not available.

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Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7: HANDLING AND STORAGE

Precautions:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:

Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

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Exposure Limits: Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form : powder

Color : light yellow

Odour : characteristic

Melting point : 81~86 °C

Water solubility : immiscible

Molecular Weight : 627.80 g/mol

SECTION 10: STABILITY AND REACTIVITY

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, acids, alkalis.

Corrosivity: Not available.

Special Remarks on Reactivity: Sensitive to light.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat

Dose: > 8,000 mg/kg

Acute dermal toxicity : LD50 rabbit

Dose: > 5,000 mg/kg

Acute inhalation toxicity : Please refer to section 2 for toxicological information.

SECTION 12: ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability : Manometric Respirometry Test Result: Not readily biodegradable.21 %

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations. Observe, local, state and federal regulations. Incineration is the most recommended disposal method.

SECTION 14: TRANSPORT INFORMATION

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Not classified as dangerous in the meaning of transport regulations.

SECTION 15: REGULATORY INFORMATION

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

TSCA § 5 commenced PMN

Cosmetic TSCA, US released / exempt

OSHA hazard category: Not hazardous;

EPCRA 311/312 (Hazard categories): Not hazardous;

SECTION 16- OTHER INFORMATION

MSDS Creation Date:7/16/2015 Revision #1 Date: 5/1/2016

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.