

MSDS OF META PHENOXY BENZALDEHYDE (MPBD)

PRODUCT : Meta Phenoxy benzaldehyde (MPBD)

Section 1: Product Identification & Company

Common Name : Meta Phenoxybenzaldehyde
Synonyms : 3-Phenoxybenzaldehyde, M-(Phenyloxy) Benzaldehyde
Manufacturer / Supplier : Bharat Rasayan Limited
1501, Vikram Tower, Rajendra Place,
New Delhi – 110008, INDIA
Emergency Phones : +91-11-43661120, 1104 Fax 43661100

Section 2: Product Composition

Composition : 99.0% m/m min.
CAS No. : 39515-51-0
EINECS No : 254-487-1,
MF : C₁₃H₁₀O₂

Section 3: Hazard Identification

May cause eye and skin irritation. May cause respiratory and digestive tract irritation. May be harmful, if swallowed.

Eye: May cause eye irritation

Skin: May cause skin irritation

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation: May cause respiratory tract irritation.

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Section 4: First – Aid Measures

Eye contact	: Flush eyes with copious amount of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin Contact	: Remove contaminated clothing. Wash affected area with soap and water. Get medical aid. Wash clothing before reuse.
Ingestion	: Never give anything by mouth to an unconscious person. If conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.
Inhalation	: In case of inhalation, carry the victim to fresh air. Keep open doors and windows. Provide artificial respiration, if needed. Get medical aid.
Note to Physician	: Treat the victim symptomatically and supportively.

Section 5: Fire & Explosion Data

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Will burn if involved in a fire. Vapours may be heavier than air. They can spread along the ground and collect in low or confined areas. Runoff from fire control or dilution water may cause pollution.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use agent most appropriate to extinguish fire.

Flash Point: > 112°C (> 233.6°F)

Auto-ignition Temperature: Not available

Explosion Limit, Lower: Not available

Upper: Not available

NFPA Rating: (estimated) Health: 1; Flammability: 1; Instability: 0

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Section 6: Accidental Release

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place on suitable container. Avoid runoff into storm sewers and ditches, which lead to waterways. Cleanup spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

Section 7: Handling & Storage

Handling : Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed.

Storage : Store in a tightly closed container. Store in a cool dry, well-ventilated area away from incompatible substances.

Section 8: Personal Protection / Safety

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Chemical Name	ACGIH	NIOSH	OSHA-Final PELs
Meta phenoxybenzaldehyde	None Listed	None listed	None listed

OSHA VACATED PELs: Meta phenoxybenzaldehyde: No OSHA vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

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Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard En149 must be followed whenever workplace conditions warrant a respirator's use.

Section 9: Physico-Chemical Data

State	: Liquid
Colour	: Colorless to Yellow
Boiling Point	: 169 ⁰ C to 169.5 ⁰ C/11 mmHg.
Flash Point	: > 230.6 ⁰ F
Specific Gravity	: 1.147

Section 10: Stability & reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, excess heat, and strong oxidants.

Incompatibilities with other

Materials : Oxidizing agents.

Hazardous Decomposition

Products : Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide

Hazardous Polymerization : Has not been reported.

Section 11: Toxicological Information

RTECS #	: CU7560200
LD ₅₀ /LC ₅₀ :	:
Rate Oral LD ₅₀	: 1222 mg/kg
Mice Oral LD ₅₀	: 1980 mg/kg
Skin, Rabbits LD ₅₀	: 7071 mg/kg
Inhalation	: 270 mg/m ³ of air
Rates LC ₅₀ (4 h)	

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Carcinogenicity	:	Not listed by ACGIH, NIOSH, NTP, or OSHA
Epidemiology	:	No information available
Teratogenicity	:	No information available
Mutagenicity	:	No information available
Reproduction	:	No information available
Neurotoxicity	:	No information available

Section 12: Ecological Information

No information available

Section 13: Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None Listed.

RCRA U-Series: None Listed.

Section 14: Transportation Information

Proper Shipping Name: Environmentally Hazardous Substance, Liquid.

IEC No.: 0591002481

UN No. 3082

IMDG No.: 9028

IMCO No.9

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Section 15: Regulatory Information

US FEDERAL

TSCA

CAS # 39515-51-0 is listed on the TSCA inventory.

Health & Safety Reporting List.

None of the chemicals are on the Health & Safety Reporting list.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substance and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous substances

None of the chemicals in this product have a TPQ.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

European / International Regulations

European Labeling in Accordance with EC Directives

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Hazard Symbols:

Not available.

Risk Phrases:

R22 Harmful

Safety Phrases:

S24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS # 39515-51-0: No information available.

Canada – DSL/NDSL

CAS # 39515-51-0 is listed on Canada's NDSL list.

Canada – WHMIS

This Product has a WHMIS classification of D2B.

Section 16: Other Information

The information provided in this MSDS is of general nature not specific for a particular purpose or situation, and believed to be correct and faithful. Bharat Rasayan Limited does not make any warranty or guarantee of any kind regarding fitness or completeness of information. Bharat Rasayan Limited disclaims any liability to the result(s) obtained or arising out of any use of the product or reliance on data/information contained in this MSDS.