



MATERIAL SAFETY DATA SHEET

MSDS

Isothiazolinone

1. IDENTIFICATION OF PREPARATION AND OF COMPANY

SUBSTANCE IDENTIFICATION : ISOTHIAZOLINONE

Synonyms name: Bioside, Bermocol, Biopol, Isocyl Ultra

COMPANY IDENTIFICATION : Daneshmand petrochemical co.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

In case of skin contact (irritant), eye contact (irritant, corrosive) and swallowing are very dangerous. It is slightly dangerous if inhaled (it is a lung sensitizer).

Liquid dust may cause tissue damage, especially to the mucous membranes of the eyes, mouth, and respiratory tract.

Skin contact may cause burns. Inhalation of the spray may cause severe respiratory irritation with coughing, choking Or shortness of breath is characterized. Inflammation of the eye is characterized by redness, watery eyes and itching.

Inflammation of the skin is characterized by itching, scaling, redness, or sometimes blistering.

3. HAZARDS IDENTIFICATION

It is a complex of interactions of substances such as methyl isothiazolinone and methyl chloroisothiazolinone.

4. FIRST AID MEASURES

In case of contact with eyes, rinse immediately with plenty of cold water for at least 15 minutes. Get medical attention immediately.

In case of contact with skin, rinse immediately with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Cover irritated skin with emollient. If possible, use cold water. Wash clothes before reusing.

Thoroughly clean the shoes before reuse. Get medical attention immediately.

In case of skin contact, wash with antiseptic soap and cover infected skin with antibacterial cream and see a doctor.

If inhaled in fresh air, give artificial respiration if not breathing. If breathing is difficult, give oxygen immediately Get medical attention.

In case of severe inhalation, evacuate the victim to a safe area as soon as possible.

Loosen tight clothing such as collars, ties and belts.

If breathing is difficult, use oxygen. If the victim is not breathing, perform oral resuscitation.

Warning: You may seek medical attention for someone who helps with resuscitation that is toxic,

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infectious, and dangerous.

Do not vomit if swallowed, unless instructed to do so by medical personnel. Never anesthetize anything orally.

If large amounts of these substances are swallowed, contact your doctor immediately.

Loosen tight clothing such as collars, ties and belts

5. FIRE FIGHTING MEASURES

This material is combustible.

Heat is flammable in the presence of open flames and sparks. Slightly flammable in conjunction with metals.

Against impact, oxidizing agents, reducing agents, combustibles, organic matter, acids, alkalis, moisture are non-flammable.

To extinguish small fires: Use dry chemical powder or water spray.

Large fire: Use water spray, fog or foam.

6. ACCIDENTAL RELEASE MEASURES

Avoid further leaks or spills. Do not allow the product to enter the sewage system.

Avoid draining into the environment.

Use the sorbent to collect the spilled material and store it in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Secure the lid of the container and keep it dry and away from heat. Stay away from incendiary materials.

Do not breathe gas / steam spray. Never add water to this product.

In case of insufficient ventilation, use suitable respiratory equipment.

If swallowed, see a doctor immediately and show the container or label.

Avoid contact with skin and eyes. From incompatible cases Stay away from oxidizing agents, organic matter, acids, alkalis.

Keep the container in a cool, well-ventilated place. Keep the container tightly closed and ready to use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Provide exhaust ventilation or other engineering controls to keep air vapor concentrations below the relevant threshold.

Make sure that eye wash and safety showers are close to the workplace.

Be sure to wear appropriate masks, safety clothing, gloves and shoes.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid.
Color	Colorless
Solubility in water	Completely
Density at (25°C)	0.99 - 1.1
pH (1:10 solvent)	4 ± 0.5
Chemical formula	
Boiling point	86.33°C
Purity	0.2 ± 1.5
Stability in pH	3-9
Percentage of methyl isothiazoline	0.2-0.4
Percentage of methyl chloro isothiazoline	1-1.2

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10. STABILITY AND REACTIVITY

It is better to keep this material under the recommended storage conditions due to its stability. It reacts with strong oxidizing agents, strong reducing agents, amines, thiols.

11. TOXICOLOGICAL INFORMATION

Regarding the article, reports of skin irritation and corrosion, eye irritation and serious eye injuries and damage to the respiratory system. It has been reported but no information is available on cell mutagenesis.

12. ECOLOGICAL INFORMATION ENVIRONMENTAL FATE AND DISTRIBUTION :

This substance is toxic to aquatic life

13. DISPOSAL CONSIDERATIONS

Waste should be disposed of in accordance with municipal wastewater laws, but because the solution is non-recyclable, it is best to transfer it to an authorized disposal company.

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14. TRANSPORT INFORMATION

Special transport regulations: No information available.

Environmental hazards: It is a corrosive substance.

15. REGULATORY INFORMATION

Protective equipment: Use gloves, full work clothes and a mask.

16. OTHER INFORMATION

This safety card information is now considered correct. However the data provided and recommendations can not be Considered as a guarantee. Since the terms of use of the product are beyond the control of our company, it is the responsibility to determine the safety of terms of use Is a user

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