



گوهر شیمی کاران
پاسارگاد

وارد کننده و عرضه کننده

انواع محلول شیمیایی صنعتی و معدنی

Material Safety Data Sheet

MIBC

Section 1: Chemical Product

Product Name: MIBC

Chemical Name: Not available.

Chemical Formula: Trade Secret.

Section 2: Identification

Explanation:

MIBC is a flotation frother with a broad range and good selectivity.

Basic component of MIBC is alkyl alkanol ether.

MIBC is used chiefly as an ore flotation agent, for recovery of valuable mineral from ores and also for coal washing. It is also used as a solvent/co-solvent for formulation of dyes, oils, resins and other industrial, pharmaceutical or agrochemical products.

It may be also used with surfactants to compatibilise essential oils, perfumes, mineral oils.

It can be compared with MIBC in its applications and is from MIBC family.

MIBC is applied together with DOW-250, AIRO-65 and PEB-70 promoter to increase of selectivity and recovery.

MIBC is used in flotation at alkaline pH (9-10).

Dosage rate of MIBC depends on ore type, grinding size and water quality. The dosage is usually between 10 to 30 grams per ton.

Section 3: Hazards Identification

EMERGENCY OVERVIEW

Caution: Liquid and concentrate vapor may cause eye and skin irritation.

Principle routes of exposure:

- Eye contact
- Skin contact
- Inhalation

Skin contact:

Moderately irritating to the skin.

Eye contact:

Moderately irritating to the eyes.

Inhalation:

May be irritating to nose, throat, and respiratory tract.

Ingestion:

May be irritating to mouth, throat and stomach.

Section 4: First Aid Measures

Eye contact: Flush immediately with plenty of water. If irritation persists, get medical attention.

Skin contact: Flush immediately with plenty of water. If irritation persists, get medical attention.

Inhalation: If breathing is affected, remove to fresh air. Get medical attention.

Ingestion: Immediately drink one cup of water or milk. Never give anything by mouth to an unconscious person. Get medical attention.

Aggravated Medical Conditions: Person with pre-existing skin disorders may be more susceptible to irritating effects.

Section 5: Fire and Explosion Data

Suitable extinguishing media:

Use dry chemical, CO₂, water spray or "alcohol" foam.

Specific hazards: Not applicable

Unusual hazards: None known

Flash point: > 60°C

Specific methods:

No special methods required.

Section 6: Accidental Release Measures

Personal precautions: Use personal protective equipment.

Environmental precautions and clean-up methods: Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

Section 7: Handling and Storage

Handling:

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from open flames, hot surfaces and sources of ignition. Use only with adequate ventilation, because liquid and its vapor is combustible, use it only in well-ventilated areas.

Storage:

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from heat.

Packing and Shipment:

MIBC C-1 is packed in 220 lit galvanized or steel drum.

Section 8: Exposure Controls/Personal Protection

Engineering measures to reduce exposure:

No special ventilation requirements. General room ventilation is adequate.

Personal Protective Equipment

Eye protection: No special requirements use under normal conditions.

Hand protection: No special requirements use under normal conditions.

Skin and body protection: No special requirements use under normal conditions.



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Respiratory protection: No special requirements use under normal conditions.

Hygiene measures: Handle in accordance with good industrial hygiene
and safety practice

Section 9: Physical and Chemical Properties

Appearance:	Transparent Liquid
Odor:	Light sweet odor
pH:	5-6
Solubility in water:	Soluble
Solubility in other solvents:	Ethanol, Methanol, Aceton, Light Ethers and Light Alcohols.
Color:	Colorless to light lemon
Specific gravity (at 20°C):	0.90-0.92
Flash point:	> 60 °C
Cloudy point:	<-5°C
Freezing point	< -10°C

Section 10: Toxicological Information

Acute toxicity	Acute toxicity data on MIBC			
	Acute Toxicity	LD50(oral)	rat	2,590 mg/kg
		LD50 (dermal)	rabbit	3,560 mg/kg



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