

Safety Data Sheet

In accordance with Directive 91/155/EC

1 - Identification of the Substance/Preparation and Company/Undertaking

Product name: INDICATORE FC02B

Product code: FC02B

2 - Composition/Information on Ingredients

Composition: N,N-diethylbenzene-1,4-diammonium sulphate

CAS no.: 6283-63-2

M: 262.36 g/mol

EC no.: 228-500-6

Hill formula: $\text{C}_{10}\text{H}_{18}\text{N}_2\text{O}_4\text{S}$

3 - Hazards Identification

Harmful in contact with skin and if swallowed.

4 - First Aid Measures

AFTER INHALATION

In case of inhalation, move the exposed person to fresh air.

If breathing becomes difficult, seek medical attention.

AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and water.

AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Make sure that the eyes have been rinsed well by separating the eyelids using the fingers. Seek medical attention.

AFTER INGESTION

If swallowed, rinse mouth with water provided person is conscious. Seek medical attention.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder or appropriate foam. SPECIAL RISKS

Specific risks(s): May emit toxic fumes (nitrous gases, sulphur oxides) in case of fire.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

Person-related precautionary measures:

Avoid contact with the substance. Avoid inhalation.

Measures for environmental protection:

Do not allow to enter sewerage system.

Clean-up procedures:

Clean the affected area, avoiding dust formation. Dispose of as directed.

Ventilate area and wash spill site after material pickup is complete.

7 - Handling and Storage

HANDLING

Instructions for safe handling: Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

STORAGE

Storage conditions:

Keep tightly closed. Dry environment. Between +15 and +25°C.

8 - Personal Protection/Exposure Control

ENGINEERING MEASURES

Safety shower and eye bath. A mechanical exhaust is required.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: required when dusts are generated.

Hand protection: Protective gloves made of nitrile rubber.

Eye protection: Chemical safety goggles.

9 - Physical and Chemical Properties

Appearance

Physical state: Crystals

Colour: off-white

Odour: odourless

pH: 2 to 20 °C (at 50 g/l in H₂O)

Boiling point: 274°C 760 mmHg

Melting point: 184

Flammability: not flammable

Autoignition temperature N/A

Oxidizing Properties N/A

Explosive properties N/A

Explosion limits N/A

Vapour pressure N/A

Specific gravity/Density 0.58 g/cm³ 20 °C

Solubility in water: approx. 500 g/l

10 - Stability and Reactivity

Sensitive to light.

Materials to avoid: Strong oxidizing agents.

Hazardous decomposition products: see chapter 5

Hazardous polymerization: Will not polymerize.

11 - Toxicological Information

Acute toxicity LD₅₀ (oral, rat): 497 mg/kg

Skin contact: May cause skin irritation. Sensitization possible in predisposed individuals. Skin

absorption: May be harmful if absorbed through the skin.

Eye contact: May cause eye irritation.

Inhalation: Irritation to the respiratory tract.

Ingestion: May be harmful if swallowed.

In general, aromatic amines can cause methemoglobinemia, dysrhythmia, hypotension, dyspnea and spasms. Main symptom: cyanosis.

The product should be handled with the care usual when dealing with chemicals.

12 - Ecological Information

Data not available. Do not allow contact with drinking water supplies, waste water or soil.

13 - Disposal Considerations

DISPOSAL OF SUBSTANCE

For disposal of this product, contact a company specialized in waste disposal. Observe all European, national and local environmental protection regulations.

14 - Transport Information

RID/ADR

Non-hazardous for road transport.

IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

15 - Regulatory Information

Labelling according to EC Directives

Symbol Xn harmful

R-phrases 21/22 Harmful in contact with skin and if swallowed

S-phrases 36/37 Wear suitable protective clothing and gloves

16 - Other Information

WARRANTY

The above information is believed to be correct, but cannot be exhaustive and must only be used as a guide. Jensprima cannot be held responsible for any damage resulting from handling or from contact with the above product.

Do not use for pharmaceutical, food or household use.