

SAFETY DATA SHEET

SECTION 1 IDENTITY (AS USED IN LABEL AND LIST)

Chemical name: 1,1'-[(2-hydroxyethyl)imino]dipropan-2-ol
Trade name: Ethanoldiisopropanolamine 85%/EDIPA 85%

Manufacturer name: NANJING HBL ALKYLOL AMINES CO., LTD.
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Emergency Phone: 0086-25-58390037(Domestic)
0086-25-58390057(Overseas)

SECTION 2 INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportions (%)
Ethanoldiisopropanolamine	10353-86-3	85.0 min.
Ethanolmonoisopropanolamine	6579-55-1	2.0 max.
Water	7732-18-5	10.0-15.0

SECTION 3 HAZARDS IDENTIFICATION

Symbol(s) and
Indication(s) of Danger

:



Warning

Hazards: Causes eye irritation.

Eye and Skin:

Avoid direct contact with eyes and skin. If it comes into with the eye, flush thoroughly with neutral water and seek medical attention immediately if necessary.

Ingestion:

May cause irritation of the digestive tract.

Inhalation:

May cause respiratory tract irritation.

SECTION 4 EMERGENCY AND FIRST AID PROCEDURE

Eyes:

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

Skin:

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

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid immediately.

Inhalation:

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

SECTION 5 FIRE FIGHTING MEASURES

Flash point: above 170°C on dry base

Flammability limits:

LFT: Not determined.

UFT: Not determined.

Extinguishing Media:

Water fog or fine spray, carbon dioxide, dry chemical, foam. Alcohol resistant foams are preferred if available. Do not use direct water stream. Will spread fire.

Fire fighters wear positive-pressure, self-contained breathing apparatus and protective fire fighting clothing.

SECTION 6 LEAKAGE HAZARD DATA

People dealing with the leakage should be protected as the section 5 has said and use enough sodium acid sulfate to cover the leakage. Then saturate with alkali. The waste liquid should be disposed of into the waste system.

SECTION 7 HANDLING AND STORAGE

Handle with care. The container should be protected from attack, high pressure, collapse, friction and it is not suitable to roll in the case. Labels outside the container should be kept in place. All the related electronic equipment should conform to certain fire standards. Most important of all, the outer package should not be damaged.

Store sealed in a cool, dry, well ventilated area away from acids, alkali, oxidizers, toxic or corrosive materials, combustible or explosive materials, long exposure to the sunlight. Do not roll containers. Store in stainless steel containers. Avoid contacting with copper or copper containing metals.

SECTION 8 EXPOSURE CONTROLS OR PERSONAL PROTECTION

Engineering Controls:

Provide General and/or local exhaust ventilation to control airborne levels below the exposure guideline.

Entering the work area with protective gloves, eye-shade and mouth cover. Avoid skin contact.

SECTION 9 PHYSICAL AND CHEMICAL CHARACTERISTICS

For EDIPA85%

Colorless to slight yellow liquid

Formula: C₈H₁₉NO₃

Color: Colorless to slight yellow liquid

Melting point: <-5°C

Boiling point: 115°C

Smelling: Very light ammoniac odor

Flash Point: above 170°C in dry base

Refractive index: 1.458 (20°C)

Viscosity : 562 mpa • s (20°C)

Stability: Stable properties at room temperature

Vapor Pressure: N/A

SECTION 10 REACTIVITY AND STABILITY

Stability: Stable under recommended storage conditions in Section 7.

Condition to avoid: sunshine and rain.

Hazardous decomposition or byproducts: Hazardous decomposition products depend on temperature, air and the presence of other materials. Hazardous decomposition products may include and are not limited to Nitrogen oxide.

Hazardous polymerization: Will not occur.

SECTION 11 TOXICITY DATA

Repeated and prolonged exposure may result in certain skin irritation.

Eye, nose, skin contact with vapor may irritate. Prolonged contact will affect the eyesight.

SECTION 12 BIOLOGICAL DATA

No official report is available. However, this product won't have apparent affect on the environment if the density is quite low. Otherwise, it will produce certain adverse influence on the water source, land, and aquatic organisms.

SECTION 13 WASTE DISPOSAL METHOD SUGGESTION

DEIPA and the packing materials can be recycled. Those failing to be recycled can be dealt with according to Section 6.

SECTION 14 TRANSPORTATION DATA

Loading and unloading should be done in the assigned station or port in suburb or far

away from the urban.

The vessel should have firefighting equipments and should have anti-toxic masks rooms away from the sunlight and should be fire resistant, waterproof.

The places and tools relating to the HIP handling and delivery should be cleaned and take necessary anti-toxic procedures. The waste should be discharged to the assigned place.

For truck, the safety distance should be kept. Deliver according to the time schedule and assigned routine.

For train, deliver according to the railway station's regulations and requirements.

For ship, the safety distance should be kept during its way and in the port.

SECTION 15 REGULATORY INFORMATION

Classification: Xi: R36 - R52-53

Risk Phrases: R36: Irritating to eyes.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases: S2: Keep out of the reach of children.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

SECTION 16 OTHER INFORMATION

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