



NANJING HBL ALKYLOL AMINES CO., LTD.
NO. 55, EAST FANGSHUI ROAD, LUHE, NANJING, CHINA
TEL: 025-58390066 FAX: 025-58390008

Product Name: Monoisopropanolamine 99%

Date of revision: 2022/06/01

Version: 6.0

SAFETY DATA SHEET

SECTION 1 IDENTIFICATION

1.1 Product identifier

Trade name: Monoisopropanolamine99% / MIPA99%
Chemical name: 1-AMINO-2-PROPANOL

1.2 Recommended use of the chemical and restrictions on use

Identified uses: Chemical additive. Chemical intermediate.
Restrictions on use: No data available.

1.3 Details of the manufacturer

Manufacturer name: NANJING HBL ALKYLOL AMINES CO., LTD.
Address: NO. 55, EAST FANGSHUI ROAD, LUHE 210047,
NANJING, CHINA
Telephone: 0086-25-58390066
E-mail: market@hongbaoli.com

1.4 Emergency Phone:

0086-532-83889090 (Chinese)
0086-25-58390057(English)

SECTION 2 HAZARDS IDENTIFICATION

2.1 Hazard classification

This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Product Name: Monoisopropanolamine 99%

Date of revision: 2022/01/01
Version: 6.0

Flammable liquids- Category 4
Acute toxicity- Category 4-Dermal
Skin corrosion- Category 1
Serious eye damage- Category 1

2.2 Label elements

Hazard pictograms



Signal word: **DANGER!**

Hazards

Combustible liquid.
Harmful in contact with skin.
Causes severe skin burns and eye damage.

Precautionary statements

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Wash skin thoroughly after handling.
Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

2.3 Other hazards

No information available

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

This product is a substance.

Chemical Entity	CAS No.	Proportions (%)
1-Amino-2-propanol	[78-96-6]	99.0 min.

SECTION 4 FIRST-AID MEASURES

4.1 Description of first aid measures

General advice:

Involve a doctor immediately.

Eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

Skin contact:

Wash off with plenty of water.

If skin irritation continues, consult a doctor.

Ingestion:

Call a doctor immediately.

Inhalation:

Supply fresh air and to be sure call for a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of the immediate medical attention and special treatment needed

No information available.

SECTION 5 FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media: carbon dioxide, powder or water spray. Fight larger fires with water spray or alcohol resistant foams.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NO_x)

carbon dioxide(CO , NO_2)

5.3 Advice for fire-fighters

Fire Fighting Procedures: Wear self-contained respiratory protective device.

Additional information:

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Contain escaping vapours with water.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear adequate protective equipment. Keep unprotected persons away. Avoid substance contact.

6.2 Environmental precautions

Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Product Name: Monoisopropanolamine 99%

Date of revision: 2022/01/01
Version: 6.0

Ensure adequate ventilation.
Clean up affected area.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

7.2 Conditions for safe storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep container tightly sealed.

Open receptacle only under localized extractor facilities.

Store under lock and key and with access restricted to technical experts or their assistants only.

Recommended storage temperature: 15-25°C

Storage class: 8 A

Specific end use(s): No further relevant information available

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.
Exposure controls

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Product Name: Monoisopropanolamine 99%

Date of revision: 2022/01/01
Version: 6.0

Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to Manufacturer.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection:

Use protective suit.

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

For MIPA 99%

Appearance:	Colorless to slight yellow liquid
Odor:	Light ammonia odor
Odor threshold:	N/A
PH:	N/A
Melting Point/Freezing point:	-2°C
Boiling point:	160°C
Flash Point:	77°C

Product Name: Monoisopropanolamine 99%

Date of revision: 2022/01/01
Version: 6.0

Evaporation rate:	N/A
Flammability:	No
Upper explosion limits:	N/A
Lower explosion limits:	N/A
Vapor Pressure(20°C):	0.063Kpa
Vapor Density:	N/A
Relative Density (20/4°C):	0.962
Solubility(ies):	Soluble in water and any ethyl alcohol
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Formula:	C3H9NO
Color:	Colourless

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity No data available

10.2 Chemical stability Stable under recommended storage conditions in Section 7.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Product can decompose at elevated temperature.

10.5 Incompatible materials Strong oxidizing materials, strong acid.

10.6 Hazardous decomposition products No dangerous decomposition products known.

SECTION 11 TOXICITY INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Product Name: Monoisopropanolamine 99%

Date of revision: 2022/01/01

Version: 6.0

LD/LC50 values relevant for classification:		
78-96-6 1-aminopropan-2-ol		
Oral	LD50	1715 mg/kg (rat) 1573 mg/kg (rabbit)
Dermal	LD50	

Primary irritant effect:

Skin corrosion/irritation: Caustic effect on skin and mucous membranes.

Serious eye damage/irritation: Strong caustic effect.

After inhalation: Caustic effect on skin and mucous membranes.

Sensitization: No sensitizing effects known.

Additional toxicological information:

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acquatic toxicity: No information available

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Assessment by list): Slightly hazardous for water.

Product Name: Monoisopropanolamine 99%

Date of revision: 2022/01/01

Version: 6.0

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Do not allow to enter waters, waste water, or soil.

12.5 Results of PBT and vPvB assessment

Not a PBT and vPvB substance.

12.6 Other adverse effects

No information available.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Disposal methods

Waste treatment methods:

Recommendation:

Chemicals must be disposed of in compliance with the respective national regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14 TRANSPORTATION INFORMATION

14.1 Classification for ROAD and Rail transport

ADR/RID class: 8 (C7) Corrosive substances.

Danger code (Kemler): 80

UN-Number: 2735

Packaging group: II

Hazard label: 8

Product Name: Monoisopropanolamine 99%

Date of revision: 2022/01/01

Version: 6.0

UN proper shipping name: 2735 AMINES, LIQUID, CORROSIVE, N.O.S.
(1-aminopropan-2-ol) ·

Tunnel restriction code: E

14.2 Classification for SEA transport (IMO-IMDG)

IMDG Class: 8

UN Number: 2735

Label: 8

Packaging group: II

EMS Number: F-A,S-B

Marine pollutant: No

Segregation groups: Alkalis

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
(1-aminopropan-2-ol)

14.3 Classification for AIR transport (IATA-IACO)

ICAO/IATA Class: 8

UN/ID Number: 2735

Label: 8

Packaging group: II

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
(1-aminopropan-2-ol)

UN "Model Regulation": UN2735, AMINES, LIQUID, CORROSIVE, N.O.S., 8,
III

Special precautions for user: Warning: Corrosive substances.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulation:

Authorisations: No information available.

Restrictions on use: No information available.

EINECS: listed in.

Product Name: Monoisopropanolamine 99%

Date of revision: 2022/01/01
Version: 6.0

15.2 Chemical Safety Assessment

Chemical Safety Assessment has not been carried out for this product.

SECTION16 OTHER INFORMATION

16.1 Revision

Date of the previous revision: 2022/01/01

Date of this revision: 2022/06/01

Version: 6.0

16.2 Information source and reference

The information for this SDS is provided by internal reference within our company.

The information contained herein is believed to be accurate. However, it is provided solely for the customer's consideration, investigation and verification. NANJING HBL ALKYLOL AMINES CO., LTD. hereby specifically disclaims any and all warranties, expressed or implied, regarding the accuracy and completeness of such information, and makes no representations with respect thereto.