



Green Chemicals Co., Ltd.

Address: No.6,DingLan Road, AoYang Industrial Park, FuNing,YanCheng, P.R.China
Contact: Manager Jiang Tel: +86-515-87883661 E-mail:market@greenchem-china.com

MATERIAL SAFETY DATA SHEET

Version 2.0

Revision Date: 05/11/2020

1. CHEMICAL PRODUCT & COMPANY INFORMATION

Product name	N,N-hydroxyethyl-p-toluidine
other names	2,2'-[(4-methylphenyl)imino]bisethanol
Company Information:	Green Chemicals Co., Ltd
location:	No.6, DingLan Road, AoYang Industrial Park, FuNing,YanCheng, P.R.China
Phone Number:	+86-51-87883661
Email:	market@greenchem-china.com
Website:	www.greenchem-china.com/
Use:	For industrial use only

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not classified.

2.2 GHS label elements, including precautionary statements

Pictogram(s)



Signal word

Warning

Hazard statement(s)

H302, H315, H319, H335, H402

Precautionary statement(s)

Prevention:

P261, P264, P270, P271, P273, P280

Response :

P301+P312, P330, P305+P351+P338, P337+P313,
P302+P352, P304 + P340, P332 + P313, P312, P321,
P362+P364

Storage :

P403 + P233, P405

Disposal :

P501

2.3 Other hazards which do not result in classification



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None

3. Composition/information on ingredients

3.1 Substances

Chemical name	Common names and synonyms	CAS Number	EC Number	Concentration
N,N-hydroxyethyl-p-toluidine	N,N-hydroxyethyl-p-toluidine	3077-12-1	211-359-1	100%

4. First-aid measures

4.1 Description of necessary first-aid measures :

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

Fresh air, rest.

In case of skin contact:

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.

If swallowed:

Rinse mouth. Do not feed any food or drink.

4.2 Most important symptoms/effects, acute and delayed

no data available

4.3 Indication of immediate medical attention and special treatment needed, if necessary

no data available

5. Fire-fighting measures

5.1 Extinguishing media

Dry powder, water mist, foam and carbon dioxide extinguishing agent.

In case of fire in the surroundings, use appropriate extinguishing media.

5.2 Specific hazards arising from the chemical

no data available

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.



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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapour, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Ensured safety, take measures to prevent further leaks or spills. Avoid its discharging into sewage system. Avert its releasing to surroundings.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For personal protection see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, dry, ventilating place. Keep container sealed and inflated. Sensitive to moisture.

8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values:

no data available

Biological limit values:

no data available

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and



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amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 376 derived from it.

Respiratory protection

Wear dust mask P95 (US) or P1 (EU/UK 143). Use respirator OV/AG/P99 (US) or ABEK-P2 (EU/UK 143) for higher level of protection. Use air-breather tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Thermal hazards

no data available

9. Physical and chemical properties

Physical state	Solid
Colour	Primrose yellow
Odour	no data available
Melting point/ freezing point	49~53°C(lit.)
Boiling point or initial boiling point and boiling range	338~340°C (lit.)
Flammability	no data available
Lower and upper explosion limit/ flammability limit	no data available
Flash point	113°C(lit.)
Auto-ignition temperature	no data available
Decomposition temperature	no data available
pH	no data available
Kinematic temperature	no data available
Solubility	no data available
Partition coefficient n-octanol/water (log value)	0.943
Vapour pressure	no data available
Density and/or relative density	1.07
Relative vapour density	no data available
Partical characteristics	no data available

10. Stability and reactivity

10.1 Reactivity	no data available
10.2 Chemical stability	no data available
10.3 Possibility of hazardous reactions	no data available
10.4 Conditions to avoid	no data available
10.5 Incompatible materials	Strong oxidants



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10.6 Hazardous decomposition products no data available

11. Toxicological information

11.1 Acute toxicity

Oral: no data available

Inhalation: no data available

Dermal: no data available

11.2 Skin corrosion/irritation no data available

11.3 Serious eye damage/irritation no data available

11.4 Respiratory or skin sensitization no data available

11.5 Germ cell mutagenicity no data available

11.6 Carcinogenicity No ingredient no less than 0.1% in the product is considered as possible or defined carcinogen by IARC.

11.7 Reproductive toxicity no data available

11.8 STOT-single exposure no data available

11.9 STOT-repeated exposure no data available

11.10 Aspiration hazard no data available

12. Ecological information

12.1 Toxicity

Toxicity to fish: Harmful

Toxicity to daphnia and other aquatic invertebrates: Harmful

Toxicity to algae: no data available

Toxicity to microorganisms: no data available

12.2 Persistence and degradability no data available

12.3 Bioaccumulative potential no data available

12.4 Mobility in soil no data available

12.5 Other adverse effects no data available

13. Disposal considerations

13.1 Disposal methods

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems. Burn in chemical incinerator with post-combustion plant and washing installation.

Contaminated packaging



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Containers can be returned to producer or dealt according to laws.

14. Transport information

14.1 UN Number

ADR/RID: -
IMDG: -
IATA: -

14.2 UN Proper Shipping Name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -
IMDG: -
IATA: -

14.4 Packing group, if applicable

ADR/RID: -
IMDG: -
IATA: -

14.5 Environmental hazards

ADR/RID: no
IMDG: no
IATA: no

14.6 Special precautions for user no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

15. Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS Number	EC Number
N,N-hydroxyethyl-p-toluidine	N,N-hydroxyethyl-p-toluidine	3077-12-1	221-359-1
European Inventory of Existing Commercial Chemical Substances (EINECS)			Listed.
EC Inventory			Listed.
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
China Catalog of Hazardous chemicals 2015			Not Listed.



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New Zealand Inventory of Chemicals (NZIoC)	Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Listed.
Vietnam National Chemical Inventory	Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	Listed.

16. OTHER INFORMATION

Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Yancheng Green Chemicals Co.,Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.