



# MATERIAL SAFETY DATA SHEET

Version 2.0

Revision Date: 04/08/2020

## 1. CHEMICAL PRODUCT & COMPANY INFORMATION

Product name N-(2-HYDROXYETHYL)-N-METHYL-4-TOLUIDINE  
other names N-Methyl-N-hydroxyethyl-P-toluidine  
Company Information: Green Chemicals Co., Ltd  
location: No.6, DingLan Road, AoYang Industrial Park,  
FuNing,YanCheng, P.R.China  
Phone Number:  
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)** No symbol.  
**Signal word** No signal word.  
**Hazard statement(s)** None  
**Precautionary statement(s)**  
*Prevention:* None  
*Response :* None  
*Storage :* None  
*Disposal :* None

### 2.3 Other hazards which do not result in classification

none

## 3. Composition/information on ingredients

### 3.1 Substances

Chemical name	Common names and synonyms	CAS Number	EC Number	Concentration
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N-(2-HYDROXYETHYL)-N-METHYL-4-TOLUIDINE	N-(2-HYDROXYETHYL)-N-METHYL-4-TOLUIDINE	2842-44-6	none	100%
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### 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:*

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

*In case of skin contact:*

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

*In case of eye contact:*

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

*If swallowed:*

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 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

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### 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.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

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

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.



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### 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 precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## 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 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 374 derived from it.

*Respiratory protection*

Wear dust mask when handling large quantities.

*Thermal hazards*

no data available

## 9. Physical and chemical properties



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Physical state	no data available
Colour	no data available
Odour	no data available
Melting point/ freezing point	no data available
Boiling point or initial boiling point and boiling range	298.1°C at 760mmHg
Flammability	no data available
Lower and upper explosion limit/ flammability limit	no data available
Flash point	148.8°C
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)	no data available
Vapour pressure	0.00058mmHg at 25°C
Density and/or relative density	1.047g/cm <sup>3</sup>
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	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	no data available
10.4 Conditions to avoid	no data available
10.5 Incompatible materials	no data available
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



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11.6 Carcinogenicity	no data available
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:	no data available
Toxicity to daphnia and other aquatic invertebrates:	no data available
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.

#### *Contaminated packaging*

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

## 14. Transport information

### 14.1 UN Number

ADR/RID:	no data available
IMDG:	no data available
IATA:	no data available

### 14.2 UN Proper Shipping Name

ADR/RID:	no data available
IMDG:	no data available



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IATA: no data available

### 14.3 Transport hazard class(es)

ADR/RID: no data available

IMDG: no data available

IATA: no data available

### 14.4 Packing group, if applicable

ADR/RID: no data available

IMDG: no data available

IATA: no data available

### 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-(2-HYDROXYETHYL)-N-METHYL-4-T OLUIDINE	N-(2-HYDROXYETHYL)-N-ME THYL-4-TOLUIDINE	288-32-4	none
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.
New Zealand Inventory of Chemicals (NZIoC)			Not Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)			Not Listed.
Vietnam National Chemical Inventory			Not 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



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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.