

# SDS

## SAFETY DATA SHEET

Oakwood Products, Inc  
730 Columbia HWY N  
Estill, SC 29918  
[www.oakwoodchemical.com](http://www.oakwoodchemical.com)

**Phone Numbers:**

|                          |              |
|--------------------------|--------------|
| Product Information      | 803-739-8800 |
| Transportation Emergency | 800-451-8346 |
| Outside the USA          | 760-602-8700 |

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**MATERIAL IDENTIFICATION**

NAME: 1-(2-Dimethylaminoethyl)-piperazine  
CAS#: [3644-18-6]  
CAT#: 009774  
For R&D use only.

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**HAZARDS IDENTIFICATION****GHS Classification**

Skin corrosion/irritation (Category 1B)  
Serious eye damage/eye irritation (Category 1)

**GHS Label elements, including precautionary statements****Pictograms****Signal Word**

Warning

**Hazard Statement(s)**

|      |                                         |
|------|-----------------------------------------|
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage               |

**Precautionary Statement(s)**

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P280               | Wear protective gloves/protective clothing/eye protection/face protection.                                                       |
| P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.                                                                               |
| P302 + P352        | IF ON SKIN: wash with plenty of soap and water.                                                                                  |
| P304 + P340        | IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.                                 |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310               | Immediately call a POISON CENTER or doctor/physician.                                                                            |

**COMPOSITION/INFORMATION ON INGREDIENTS**

Synonyms : N,N-Dimethyl-1-piperazineethanamine, N,N-Dimethyl-2-piperazinoethylamine  
Formula : C<sub>8</sub>H<sub>19</sub>N<sub>3</sub>  
Molecular Weight : 157.26 g/mol

| CAS       | Description                         | Concentration |
|-----------|-------------------------------------|---------------|
| 3644-18-6 | 1-(2-Dimethylaminoethyl)-piperazine | 99%           |

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**FIRST AID MEASURES****In case of eye contact**

Immediately flush eyes with running water for at least 15 minutes while keeping eyes open. Seek medical attention.

**In case of skin contact**

Wash thoroughly with soap and plenty of water. Seek medical attention.

**If inhaled**

Remove victim from source of exposure to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

**If swallowed**

Do not induce vomiting. Give water to victim to drink. Seek medical attention.

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**FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use carbon dioxide, dry chemical powder, alcohol-resistant or polymer foam.

**Special protective equipment for fire-fighters**

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

**Unusual fire and explosion hazards/decomposition of product**

emits toxic fumes under fire conditions.

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**ACCIDENTAL RELEASE MEASURES****Personal precautions**

Use personal protective equipment. Avoid breathing fumes, vapors, mists or gas. Ventilate area. Remove all sources of ignition. Evacuate personnel.

**Environmental precautions**

Prevent further leakage if safe to do so.

**Methods and materials for containment and clean up**

Absorb spills on sand or vermiculite and place in closed container for disposal.

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**HANDLING AND STORAGE****Precautions for safe handling**

Avoid prolonged use. Avoid all direct contact with material. Do not breathe dust or vapor. Wash thoroughly after handling.

### Precautions for safe storage

Keep container tightly closed. Store in a cool, dry, well-ventilated area.

## EXPOSURE CONTROL/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Eye/face protection

Wear protective safety goggles or face shields tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

#### Hand/skin protection

Avoid all direct contact with product.

Wear chemical-resistant gloves.

Wear protective clothing and boots.

After contact with skin, wash immediately.

#### Respiratory protection

Ensure adequate ventilation during use. Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the exposure limits.

## PHYSICAL AND CHEMICAL PROPERTIES

|                                              |                              |
|----------------------------------------------|------------------------------|
| Appearance                                   | Colorless to pale yellow oil |
| Odour                                        | no data available            |
| Odour Threshold                              | no data available            |
| Melting point/Freezing Point                 | no data available            |
| Boiling Point                                | 63-64°C/0.5mm Hg             |
| Flash Point                                  | no data available            |
| Evaporation Rate                             | no data available            |
| Flammability (solid, gas)                    | no data available            |
| Upper/Lower Flammability or Explosive limits | no data available            |
| Vapour pressure                              | no data available            |
| Relative Density                             | no data available            |
| Solubility(ies)                              | no data available            |
| Partition coefficient: n-octanol/water       | no data available            |
| Auto-ignition temperature                    | no data available            |
| Decomposition temperature                    | no data available            |
| Viscosity                                    | no data available            |
| Refractive Index                             | 1.479                        |

## STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

no data available

**Conditions to avoid**

no data available

**Incompatible materials**

Strong oxidizing agents, strong acids, acid chlorides, and acid anhydrides.

**Hazardous decomposition products**

May evolve carbon monoxide, carbon dioxide, and nitrogen oxides.

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**TOXICOLOGICAL INFORMATION****Acute toxicity**

no data available

**Skin corrosion/irritation**

Causes severe skin burns and eye damage

**Serious eye damage/eye irritation**

Causes serious eye damage

**Respiratory or skin sensitization**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

**STOT-single exposure**

no data available

**STOT-repeated exposure**

no data available

**Aspiration hazard**

no data available

**Exposure Routes**

Causes burns.

May have harmful effects if inhaled or swallowed.

To the best of our knowledge, the health hazards of this material have not been fully investigated.

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**ECOLOGICAL INFORMATION****Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**DISPOSAL CONSIDERATIONS**

Dissolve in or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local laws.

**TRANSPORT INFORMATION**

**DOT**

Amines, liquid, corrosive, n.o.s.

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UN2735 III

**IMDG**

Amines, liquid, corrosive, n.o.s.

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UN2735 III

EMS-No: F-A, S-B

Marine Pollutant: No

**IATA**

Amines, liquid, corrosive, n.o.s.

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UN2735 III

**REGULATORY INFORMATION**

**SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

**New Jersey Right to Know Components**

This product may contain a chemical on the New Jersey Right to Know Components List.

1-(2-Dimethylaminoethyl)-piperazine

**CAS**

3644-18-6

**California Prop. 65 Components**

This product does not contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

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## OTHER INFORMATION

Version : 1.3

Revision Date : 5/16/2018

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Oakwood shall not be held liable for any damage resulting from handling or from contact with the above product.