



# SAFETY DATA SHEET

Creation Date 29-Sep-2010

Revision Date NOT AUTHORIZED

Revision Number NOT AUTHORIZED

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

Product Description: N,N,2,2-Tetramethyl-1,3-propanediamine  
Cat No. 210870000; 210870250; 210871000

### Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Laboratory chemicals  
Uses advised against No Information available

### Details of the supplier of the safety data sheet

#### Company

Acros Organics BVBA  
Janssen Pharmaceuticaaan 3a  
2440 Geel, Belgium

E-mail address [begeel.sdsdesk@thermofisher.com](mailto:begeel.sdsdesk@thermofisher.com)

### Emergency Telephone Number

For information in the US, call: 001-800-ACROS-01  
For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99  
Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300  
CHEMTREC Phone Number, Europe: 001-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

|                                   |              |
|-----------------------------------|--------------|
| Skin Corrosion / irritation       | Category 1 B |
| Serious Eye Damage/Eye Irritation | Category 1   |
| Flammable liquids.                | Category 3   |

### Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R phrases mentioned in this Section, see Section 16

Symbol(s) C - Corrosive  
R -phrase(s) R10 - Flammable  
R34 - Causes burns

### Label Elements

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## 2. HAZARDS IDENTIFICATION



**Signal Word**

**Danger**

### Hazard Statements

H314 - Causes severe skin burns and eye damage

H226 - Flammable liquid and vapor

### Precautionary Statements - EU (§28, 1272/2008)

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

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

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

### Other Hazards

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component  | EC No.            | Weight % | CAS-No     | Classification | GHSCLAS   | REACH Reg. No. |
|--|-------------------|----------|------------|----------------|---|----------------|
| 1,3-Propanediamine, N,N,2,2-tetramethyl-<br>53369-71-4 | EEC No. 258-501-7 | >95      | 53369-71-4 | R10<br>C;R34   | Skin Corr. 1B<br>(H314)<br>Eye Dam. 1<br>(H318)<br>Flam. Liq. 3<br>(H226) | -              |

For the full text of the R phrases mentioned in this Section, see Section 16

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**4. FIRST AID MEASURES****Description of first aid measures****Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

**Ingestion**

Do not induce vomiting. Call a physician or Poison Control Center immediately.

**Inhalation**

Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Immediate medical attention is required.

**Notes to Physician**

Treat symptomatically

**5. FIRE-FIGHTING MEASURES****Extinguishing media****Suitable Extinguishing Media**

CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam. Cool closed containers exposed to fire with water spray.

**Extinguishing media which must not be used for safety reasons**

No information available.

**Special hazards arising from the substance or mixture**

Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

**Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Remove all sources of ignition. Take precautionary measures against static discharges.

**Environmental precautions**

Should not be released into the environment.

**Methods and material for containment and cleaning up**

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Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Use only under a chemical fume hood. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Use explosion-proof equipment. Do not breathe vapors/dust. Do not ingest. Take precautionary measures against static discharges.

### Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives area. Flammables area. Keep away from heat and sources of ignition.

### Specific End Uses

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

**Exposure limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)** No information available.  
**Predicted No Effect Concentration (PNEC)** No information available.

### Exposure controls

**Engineering Measures** Use only under a chemical fume hood Ensure that eyewash stations and safety showers are close to the workstation location Use explosion-proof electrical/ventilating/lighting/equipment

### **Personal protective equipment**

**Eye Protection** Safety glasses with side-shields  
**Hand Protection** Protective gloves  
**Skin and body protection** Wear appropriate protective gloves and clothing to prevent skin exposure  
**Respiratory Protection** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice  
**Environmental exposure controls** No information available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** Liquid  
**Appearance** Colorless  
**pH** No information available.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                          |                             |
|--------------------------|-----------------------------|
| Boiling Point/Range      | 155 - 158°C / 311 - 316.4°F |
| Melting Point/Range      | No information available.   |
| Flash Point              | 35°C / 95°F                 |
| Autoignition Temperature | No information available.   |
| Specific Gravity         | 0.82                        |
| Molecular Formula        | C7 H18 N2                   |
| Molecular Weight         | 130.23                      |

## 10. STABILITY AND REACTIVITY

### Reactivity

### Chemical Stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

|                          |                                |
|--------------------------|--------------------------------|
| Hazardous Polymerization | No information available       |
| Hazardous Reactions .    | None under normal processing.. |

### Conditions to Avoid

Incompatible products, Excess heat, Keep away from open flames, hot surfaces and sources of ignition.

### Incompatible Materials

Strong oxidizing agents, Acids, Acid anhydrides, Acid chlorides.

### Hazardous Decomposition Products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

### Acute Toxicity

**Product Information** No acute toxicity information is available for this product

### **Component Information**

### Chronic Toxicity

**Carcinogenicity** There are no known carcinogenic chemicals in this product

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|  |   |
|--|---|
| <b>Sensitization</b>                   | No information available.   |
| <b>Mutagenic Effects</b>               | No information available  |
| <b>Reproductive Effects</b>            | No information available.   |
| <b>Developmental Effects</b>           | No information available.   |
| <b>Target Organs</b>                   | Skin Respiratory system Eyes Gastrointestinal tract (GI)  |
| <b>Other Adverse Effects</b>           | The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information |
| <b>Endocrine Disruptor Information</b> | None known  |

## 12. ECOLOGICAL INFORMATION

### Toxicity

**Ecotoxicity effects** Do not empty into drains

### Persistence and degradability

No information available

### Bioaccumulative potential

No information available.

### Mobility in soil

No information available.

### Results of PBT and vPvB assessment

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste from Residues / Unused Products** Dispose of in accordance with local regulations

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

### IMDG/IMO

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## 14. TRANSPORT INFORMATION

**UN-No** UN2734  
**Hazard Class** 8  
**Subsidiary Hazard Class** 3  
**Packing Group** II  
**Proper Shipping Name** Amines or polyamines, liquid, corrosive, flammable, n.o.s

### ADR

**UN-No** UN2734  
**Hazard Class** 8  
**Subsidiary Class** 3  
**Packing Group** II  
**Proper Shipping Name** Amines or polyamines, liquid, corrosive, flammable, n.o.s

### IATA

**UN-No** UN2734  
**Hazard Class** 8  
**Subsidiary Hazard Class** 3  
**Packing Group** II  
**Proper Shipping Name** Amines or polyamines, liquid, corrosive, flammable, n.o.s

## 15. REGULATORY INFORMATION

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

#### International Inventories

| Component                                | EINECS    | ELINCS | NLP | TSCA | DSL | NDSL | PICCS | ENCS | CHINA | AICS | KECL |
|--|-----------|--------|-----|------|-----|------|-------|------|-------|------|------|
| 1,3-Propanediamine, N,N,2,2-tetramethyl- | 258-501-7 | -      |     | X    | -   | X    | -     | -    | -     | -    | -    |

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory Lists

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**AICS** - Inventory of Chemical Substances

**KECL** - Existing and Evaluated Chemical Substances

### Chemical Safety Assessment

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**16. OTHER INFORMATION****Text of R phrases mentioned in Section 2-3**

R10 - Flammable

R34 - Causes burns

**Revision Date**

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**Revision Summary**

Not applicable

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006****Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet