

Revision Date 11-Nov-2010

Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Description:**

**1-Isopropylpiperazine**

**Cat No.**

**384810000; 384810010; 384810050**

**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**

begel.sdsdesk@thermofisher.com

**Emergency Telephone Number**

For information in the US, call: 800-ACROS-01

For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99

Emergency Number, US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300

CHEMTREC Phone Number, Europe: 703-527-3887

## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

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

|                                   |            |
|-----------------------------------|------------|
| Acute dermal toxicity             | Category 4 |
| Skin Corrosion / irritation       | Category 1 |
| 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

R21 - Harmful in contact with skin

R34 - Causes burns

## 2. HAZARDS IDENTIFICATION

### Label Elements



### Signal Word

**Danger**

### Hazard Statements

H314 - Causes severe skin burns and eye damage

H312 - Harmful in contact with skin

H318 - Causes serious eye damage

H226 - Flammable liquid and vapor

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

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

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

P280 - Wear eye protection/face protection

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

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

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-Isopropylpiperazine | EEC No. 224-345-3 | > 98     | 4318-42-7 | R10<br>Xn; R21<br>C; R34; | Skin Corr. 1B<br>(H314)<br>Acute Tox. 4<br>(H312) |                |

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

## 4. FIRST AID MEASURES

#### 4. FIRST AID MEASURES

**Description of first aid measures**

|                           |                                                                                                                                                                               |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>        | Immediate medical attention is required Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes                                               |
| <b>Skin Contact</b>       | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes Immediate medical attention is required                                        |
| <b>Ingestion</b>          | Do not induce vomiting Call a physician immediately                                                                                                                           |
| <b>Inhalation</b>         | Remove from exposure, lie down Move to fresh air If breathing is difficult, give oxygen If not breathing, give artificial respiration Immediate medical attention is required |
| <b>Notes to Physician</b> | Treat symptomatically                                                                                                                                                         |

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media****Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>) Dry chemical chemical foam

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

No information available.

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

Flammable

**Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

**Environmental precautions**

Prevent further leakage or spillage if safe to do so

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) Keep in suitable and closed containers for disposal Remove all sources of ignition Use spark-proof tools and explosion-proof equipment Do not let this chemical enter the environment

#### 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

Do not breathe dust Do not breathe vapors or spray mist Do not get in eyes, on skin, or on clothing Do not ingest Use only in area provided with appropriate exhaust ventilation Use explosion-proof equipment Use only non-sparking tools

**Conditions for safe storage, including any incompatibilities**

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

**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 explosion-proof electrical/ventilating/lighting/equipment Ensure that eyewash stations and safety showers are close to the workstation location

### Personal protective equipment

#### Eye Protection

Goggles

#### 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

Light yellow

### pH

No information available.

### Vapor Density

No information available.

### Boiling Point/Range

180 - 181°C / 356 - 357.8°F@ 760 mmHg

### Melting Point/Range

No information available.

### Flash Point

54°C / 129.2°F

### Specific Gravity

0.896

### Molecular Formula

C7 H16 N2

### Molecular Weight

128.22

## 10. STABILITY AND REACTIVITY

### Reactivity

#### Chemical Stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

#### Hazardous Polymerization

Hazardous polymerization does not occur.

#### Hazardous Reactions .

No information available.

### Conditions to Avoid

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

### Incompatible Materials

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

### Hazardous Decomposition Products

Nitrogen oxides (NOx). Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11. TOXICOLOGICAL INFORMATION****Information on Toxicological Effects****Acute Toxicity****Product Information**

No acute toxicity information is available for this product

**Component Information****Component**

1-Isopropylpiperazine

| LD50 Oral          | LD50 Dermal          | LC50 Inhalation |
|--------------------|----------------------|-----------------|
| 2830 µL/kg ( Rat ) | 640 µL/kg ( Rabbit ) |                 |

**Chronic Toxicity****Carcinogenicity**

There are no known carcinogenic chemicals in this product

**Sensitization**

No information available.

**Mutagenic Effects**

No information available.

**Reproductive Effects**

No information available.

**Developmental Effects**

No information available.

**Target Organs**

No information available.

**Other Adverse Effects**

The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information

**Endocrine Disruptor Information**

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

UN-No 2733  
 Hazard Class 3  
 Subsidiary Hazard Class 8  
 Packing Group III  
 Proper Shipping Name AMINES, FLAMMABLE, CORROSIVE, N.O.S.

### ADR

UN-No 2733  
 Hazard Class 3  
 Subsidiary Class 8  
 Packing Group III  
 Proper Shipping Name AMINES, FLAMMABLE, CORROSIVE, N.O.S.

### IATA

UN-No 2733  
 Hazard Class 3  
 Subsidiary Hazard Class 8  
 Packing Group III  
 Proper Shipping Name AMINES, FLAMMABLE, CORROSIVE, 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-Isopropylpiperazine | 224-345-3 | -      |     | -    | -   | -    | -     | -    | -     | -    | -    |

#### 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

## 16. OTHER INFORMATION

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

R10 - Flammable

R21 - Harmful in contact with skin

R34 - Causes burns

**Revision Date** 11-Nov-2010**Revision Summary** Not applicable**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006****Disclaimer**

The information provided on this SDS 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**