

Creation Date 25-Aug-2010

Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Description:** 2-Phthalimidoethanesulfonyl chloride, 95%  
**Cat No.** 430980000; 430980010; 430980050  
**Synonyms** 2-(1,3-Dioxo-1,3-dihydro-isoindol-2-yl)-ethanesulfonyl chloride

### 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: 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

### 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)** R29 - Contact with water liberates toxic gas  
 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  
EUH029 - Contact with water liberates toxic gas

### 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  
P310 - Immediately call a POISON CENTER or doctor/ physician  
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P402 + P404 - Store in a dry place. Store in a closed container

### Other Hazards

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC No.	Weight %	CAS-No	Classification	GHSCLAS	REACH Reg. No.
2-Phthalimidoethanesulfonyl chloride 4403-36-5		>95	4403-36-5	C; R34 R29	Skin Corr. 1B (H314) Eye Dam. 1 (H318) (EUH029)	-

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

## 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

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<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes Immediate medical attention is required
<b>Ingestion</b>	Do not induce vomiting Call a physician or Poison Control Center immediately
<b>Inhalation</b>	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
<b>Notes to Physician</b>	Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### **Suitable Extinguishing Media**

CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam

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

No information available.

### Special hazards arising from the substance or mixture

Water reactive Contact with water liberates toxic gas

### Advice for fire-fighters

Thermal decomposition can lead to release of irritating gases and vapors 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

Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid dust formation.

### Environmental precautions

Should not be released into the environment.

### Methods and material for containment and cleaning up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Do not expose spill to water.

## 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 Do not allow contact with water Avoid dust formation Do not breathe vapors/dust Do not ingest

### Conditions for safe storage, including any incompatibilities

Keep away from water Keep containers tightly closed in a dry, cool and well-ventilated place Corrosives area

### Specific End Uses

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## 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

### 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

Crystalline, Solid

### Appearance

White

### odor

No information available

### pH

No information available.

### Boiling Point/Range

No information available.

### Melting Point/Range

160.7 - 162.4°C / 321.3 - 324.3°F

### Flash Point

No information available.

### Autoignition Temperature

No information available.

### Molecular Formula

C10 H8 Cl N O4 S

### Molecular Weight

273.70

## 10. STABILITY AND REACTIVITY

### Reactivity

#### Reactive Hazard

Yes

#### Chemical Stability

Water reactive.

### Possibility of Hazardous Reactions

#### Hazardous Polymerization

Hazardous polymerization does not occur.

#### Hazardous Reactions .

Contact with water liberates toxic gas.

### Conditions to Avoid

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Avoid dust formation, Incompatible products, Excess heat, Exposure to moist air or water.

### Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases, Amines, Water.

### Hazardous Decomposition Products

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

## 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

##### **Sensitization**

No information available.

##### **Mutagenic Effects**

No information available

##### **Reproductive Effects**

No information available.

##### **Developmental Effects**

No information available.

##### **Target Organs**

Skin Respiratory system Eyes Gastrointestinal tract (GI)

##### **Other Adverse Effects**

The toxicological properties have not been fully investigated.

##### **Endocrine Disruptor Information**

None known

## 12. ECOLOGICAL INFORMATION

#### Toxicity

##### **Ecotoxicity effects**

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

#### Persistence and degradability

No information available

#### Bioaccumulative potential

No information available.

#### Mobility in soil

No information available.

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**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	UN3261
Hazard Class	8
Packing Group	III
Proper Shipping Name	Corrosive solid, acidic, organic, n.o.s

**ADR**

UN-No	UN3261
Hazard Class	8
Packing Group	III
Proper Shipping Name	Corrosive solid, acidic, organic, n.o.s

**IATA**

UN-No	UN3261
Hazard Class	8
Packing Group	III
Proper Shipping Name	Corrosive solid, acidic, organic, n.o.s

## 15. REGULATORY INFORMATION

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

**International Inventories**

**Legend**

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

**EINECS/ELINCS** - European Inventory Lists

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

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

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

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**CHINA** - China Inventory of Existing Chemical Substances**AICS** - Inventory of Chemical Substances**KECL** - Existing and Evaluated Chemical Substances**Chemical Safety Assessment****16. OTHER INFORMATION****Text of R phrases mentioned in Section 2-3**

R29 - Contact with water liberates toxic gas

R34 - Causes burns

**Revision Date****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