

Revision Date 05-Nov-2010

Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Description:** m-Toluoyl chloride  
**Cat No.** 153410000; 153410050; 153411000  
**Synonyms** 3-Methylbenzoyl 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: 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**

|  |            |
|--|------------|
| Skin Corrosion / irritation  | Category 1 |
| Serious Eye Damage/Eye Irritation                                      | Category 1 |
| Substances/mixtures which, in contact with water, emit flammable gases | 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)** R34 - Causes burns

**Label Elements**

## 2. HAZARDS IDENTIFICATION



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symbols\blank.png)

**Signal Word**

**Danger**

**Hazard Statements**

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

H261 - In contact with water releases flammable gas

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

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

**Other Hazards**

Lachrymator (substance which increases the flow of tears).

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component                   | EC No.            | Weight % | CAS-No    | Classification | GHSCLAS              |
|-----------------------------|-------------------|----------|-----------|----------------|----------------------|
| Benzoyl chloride, 3-methyl- | EEC No. 216-976-8 | 99       | 1711-06-4 | C; R34         | Skin Corr. 1B (H314) |

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

**Skin Contact**

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes

|                           |  |
|---------------------------|--|
| <b>Ingestion</b>          | Do not induce vomiting Never give anything by mouth to an unconscious person Drink plenty of water If possible drink milk afterwards |
| <b>Inhalation</b>         | Remove from exposure, lie down Move to fresh air   |
| <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 Do not use a solid water stream as it may scatter and spread fire

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

No information available.

### Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors

### 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

## 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 Use only in area provided with appropriate exhaust ventilation

### Conditions for safe storage, including any incompatibilities

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|   |   |
|---|---|
| <b>Predicted No Effect Concentration (PNEC)</b> | No information available.   |
| <b>Exposure controls</b>                        |   |
| <b>Engineering Measures</b>                     | Ensure adequate ventilation, especially in confined areas   |
| <b>Personal protective equipment</b>            |   |
| <b>Eye Protection</b>                           | Safety glasses with side-shields Goggles  |
| <b>Hand Protection</b>                          | Protective gloves   |
| <b>Skin and body protection</b>                 | Long sleeved clothing   |
| <b>Respiratory Protection</b>                   | Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions |
| <b>Hygiene Measures</b>                         | Handle in accordance with good industrial hygiene and safety practice   |
| <b>Environmental exposure controls</b>          | No information available.   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                            |                           |
|----------------------------|---------------------------|
| <b>Physical State</b>      | Liquid                    |
| <b>Appearance</b>          | Light brown               |
| <b>odor</b>                | odorless                  |
| <b>pH</b>                  | No information available. |
| <b>Boiling Point/Range</b> | 86°C / 186.8°F @ 5 mmHg   |
| <b>Melting Point/Range</b> | No information available. |
| <b>Flash Point</b>         | 76°C / 168.8°F            |
| <b>Water Solubility</b>    | decomposes                |
| <b>Specific Gravity</b>    | 1.170                     |
| <b>Molecular Formula</b>   | C8 H7 Cl O                |
| <b>Molecular Weight</b>    | 154.6                     |

## 10. STABILITY AND REACTIVITY

### Reactivity

#### Chemical Stability

Stable under normal conditions.

#### Possibility of Hazardous Reactions

**Hazardous Polymerization** No information available.

**Hazardous Reactions .** No information available.

#### Conditions to Avoid

Incompatible products.

#### Incompatible Materials

Water, Strong bases, Alcohols.

#### Hazardous Decomposition Products

Hydrogen chloride gas. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Phosgene.

## 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

#### Acute Toxicity

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information

## 11. TOXICOLOGICAL INFORMATION

### Component Information

| Component                   | LD50 Oral          | LD50 Dermal | LC50 Inhalation |
|-----------------------------|--------------------|-------------|-----------------|
| Benzoyl chloride, 3-methyl- | 3440 mg/kg ( Rat ) |             |                 |

### 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.  
**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.

### Results of PBT and vPvB assessment

### Other adverse effects

No information available

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

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

### **Products**

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

## 14. TRANSPORT INFORMATION

### IMDG/IMO

|                                |      |
|--------------------------------|------|
| <b>UN-No</b>                   | 1760 |
| <b>Hazard Class</b>            | 8    |
| <b>Subsidiary Hazard Class</b> | 4.3  |
| <b>Packing Group</b>           | II   |

## 14. TRANSPORT INFORMATION

**ADR**

UN-No 1760  
 Hazard Class 8  
 Packing Group II

**IATA**

UN-No 1760  
 Hazard Class 8  
 Subsidiary Hazard Class 4.3  
 Packing Group II

## 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          |
|-----------------------------|-----------|--------|-----|------|-----|------|-------|------|-------|------|---------------|
| Benzoyl chloride, 3-methyl- | 216-976-8 | -      |     | X    | -   | X    | X     | X    | -     | -    | KE-23505<br>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**

## 16. OTHER INFORMATION

**Text of R phrases mentioned in Section 2-3**

R34 - Causes burns

Revision Date 05-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

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**16. OTHER INFORMATION**

End of Safety Data Sheet