

# **SAFETY DATA SHEET**

Creation Date 30-Jun-2009 Revision Date 10-Nov-2010 Revision Number 2

# 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier** 

Product Description: 4-Fluoro-2-(trifluoromethyl)benzoyl chloride

Cat No. 398800000; 398800010; 398800050

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 Pharmaceuticalaan 3a

2440 Geel, Belgium

E-mail address

Emergency Telephone Number Chemtrec US: (800) 424-9300 Chemtrec EU: (202) 483-7616 begel.sdsdesk@thermofisher.com

# 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

### 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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Signal Word

Danger

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#### **Hazard Statements**

H318 - Causes serious eye damage

H314 - Causes severe skin burns and eye damage

EUH029 - Contact with water liberates toxic 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

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.
4-Fluoro-2-(trifluoromethyl)benzoyl		>95	189807-21-4	R29	Skin Corr. 1B	
chloride				C; R34	(H314)	
					(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

**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

Extinguishing media which must not be used for safety reasons

No information available.

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### Special hazards arising from the substance or mixture

Combustible material Containers may explode when heated 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 Remove all sources of ignition Evacuate personnel to safe areas Keep people away from and upwind of spill/leak

### **Environmental precautions**

Should not be released into the environment

### Methods and material for containment and cleaning up

Remove all sources of ignition Soak up with inert absorbent material Keep in suitable and closed containers for disposal 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 Keep away from open flames, hot surfaces and sources of ignition Do not breathe vapors or spray mist Do not get in eyes, on skin, or on clothing Do not ingest Do not allow contact with water

### Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place Keep away from heat and sources of ignition Keep away from water 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)
Predicted No Effect Concentration

(PNEC)

No information available. 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 Liquid

pHNo information available.Boiling Point/Range157°C / 314.6°F@ 760 mmHgMelting Point/RangeNo information available.

Flash Point 85°C / 185°F
Specific Gravity 1.495
Molecular Formula C8 H3 Cl F4 O
Molecular Weight 226.56

# 10. STABILITY AND REACTIVITY

Reactivity

Reactive Hazard Yes

**Chemical Stability** 

Water reactive. Moisture sensitive.

**Possibility of Hazardous Reactions** 

Hazardous PolymerizationHazardous polymerization does not occur.Hazardous Reactions .Contact with water liberates toxic gas.

**Conditions to Avoid** 

Incompatible products, Heat, flames and sparks, Exposure to moist air or water, Exposure to moisture.

**Incompatible Materials** 

Strong oxidizing agents.

**Hazardous Decomposition Products** 

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

# 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

SensitizationNo information available.Mutagenic EffectsNo information availableReproductive EffectsNo information available.Developmental EffectsNo 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

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# 11. TOXICOLOGICAL INFORMATION

# 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** 

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

Dispose of in accordance with local regulations

# 14. TRANSPORT INFORMATION

### IMDG/IMO

UN-No UN3265
Hazard Class 8
Packing Group II

Proper Shipping Name Corrosive liquid, acidic, organic, n.o.s

**ADR** 

UN-No UN3265
Hazard Class 8
Packing Group II

Proper Shipping Name Corrosive liquid, acidic, organic, n.o.s

**IATA** 

UN-No UN3265 Hazard Class 8 Packing Group II

Proper Shipping Name Corrosive liquid, acidic, organic, n.o.s

# 15. REGULATORY INFORMATION

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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/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

R29 - Contact with water liberates toxic gas

R34 - Causes burns

Revision Date 10-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** 

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