

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Description: 5-Chloro-2-fluoro-benzoyl chloride
Cat No: ACI-03970
CAS No: 394-29-6

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**

Advanced Chemical Intermediates Limited
The Old Dairy
Tresplatt
Davidstow
Cornwall
PL32 9YD
Tel: +44 (0) 1840 261451

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Acute oral toxicity	Category 4
Acute dermal toxicity	Category 4
Acute Inhalation toxicity – dusts and mists	Category 4
Skin corrosion/irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1

Label Elements**Signal Word****Danger****Hazard Statements**

H302: Harmful if swallowed
H332: Harmful if inhaled
H314 – Causes severe skin burns and eye damage
H318: Causes serious eye damage
EUH029 – Contact with water liberates toxic gas
EUH014 – Reacts violently with water

Precautionary Statements – EU (S28, 1272/2008)

P301 + P330 + P331 – IF SWALLOWED :rinse mouth. Do NOT induce vomiting
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water
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 so. Continue rinsing
P310 – Immediately call a POISON CENTRE or doctor/physician
P402 + P404 – Store in a dry place. Store in a closed container
P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Other Hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component 5-Chloro-2-fluoro-benzoyl chloride
CAS No: 394-29-6
EC No:

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, Obtain medical attention
Skin Contact wash off immediately with soap and plenty of water removing all contaminated clothes and shoes, Obtain medical attention
Ingestion Do not induce vomiting Call a physician immediately
Inhalation Remove from exposure, lie down. Move to fresh air if breathing is difficult, give oxygen if not breathing, give artificial respiration, Obtain medical attention

5. FIRE-FIGHTING MEASURES

Extinguishing media**Suitable Extinguishing Media**

Water spray Carbon dioxide (CO2) Dry chemical foam

Extinguishing media which must not be used for safety reasons

No information available

Special hazards arising from the substance or mixture

Contact with water liberates toxic gas. Water reactive. Produce flammable gases on contact with water

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 (eg. Sand, silica gel, acid binder, universal binder, sawdust) Keep in suitable and closed containers for disposal Wear self-contained breathing apparatus and protective suit. Do not expose spill to water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not breath dust, do not breath vapours or spray mist. Do not get in eyes, on skin, or on clothing. Use only in area provided with appropriate exhaust ventilation. Do not allow contact with water because of violent reaction. Keep under nitrogen.

Conditions for Safe Storage, including and incompatibilities

Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Protect from moisture. Never allow product to get in contact with water during storage. Keep under nitrogen.

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

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to workstation location.

Personal Protective Equipment

1. Eye protection
2. Hand protection
3. Skin and body protection
4. Respiratory protection

Goggles

Protective gloves

Wear appropriate protective gloves and clothing to prevent skin exposure

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 practice

Environmental Exposure Controls

No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Pale yellow
Boiling Point/Range	
Melting Point/Range	-
Flash Point	-
Molecular Formula	C7H3Cl2FO
Molecular Weight	193.01

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. Heat.

Incompatible Materials

Acids, bases, strong oxidizing agents, strong reducing agents, water

Hazardous Decomposition Products

In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

No acute toxicity information available for product

Product Information

Component Information

Chronic Toxicity

There are no known carcinogenic chemicals in product

Carcinogenicity

No information available

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

Endocrine Disruptor Information

None known

12. ECOLOGICAL INFORMATION

Toxicity

Eco-toxicity 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

Bio-accumulative Potential

No information available

Mobility in Soil

No information available

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste from Residues/Unused Contaminated Packaging

Products

Dispose of in accordance with local regulations

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

14. TRANSPORT INFORMATION

IMDG/IMO

UN-No 3265
Hazard class 8
Packing group ii
Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

ADR

UN-No 3265
Hazard class 8
Packing group ii
Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

IATA

UN-No 3265
Hazard Class 8
Packing Group ii
Proper Shipping Name CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

15. REGULATORY INFORMATION

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

Chemical Safety Assessment

A Chemical safety assessment has not been carried out.

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

16. OTHER INFORMATION

Revision Date

23-Apr-2018

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.