

## SAFETY DATA SHEET

### Product Identifier

Product Description:

5-Bromo-2-chloro-nicotinoyl chloride

Cat No:

WS-02E-092

CAS No:

78686-86-9

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 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  
Trespilatt  
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 1B
Serious Eye Damage/Eye Irritation	Category 1
STOT Single exposure	Category 3

#### Label Elements



#### Signal Word

Danger

#### Hazard Statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

EUH029 Contact with water liberates toxic gas

#### Precautionary Statements – EU (S28, 1272/2008)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

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

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

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340. IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

CENTRE/doctor.

#### Other Hazards

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component 5-Bromo-2-chloro-nicotinoyl chloride

CAS No: 78686-86-9

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 (e.g. 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	Solid
Appearance	Off-white low melting
Boiling Point/Range	
Melting Point/Range	-
Flash Point	-
Molecular Formula	C6H2BrCl2NO
Molecular Weight	254.90

## 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

#### Carcinogenicity

There are no known carcinogenic chemicals in 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

#### 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

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 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

24-Jul-2020

Version Number

1.0

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.