

## 2-Chloro-5-nitrobenzoyl chloride 25784-91-2 MSDS

### Section 1. BASE INFORMATION

**Product name:** 2-Chloro-5-nitrobenzoyl Chloride

**Revision number:** 1

### Section 2. HAZARDS IDENTIFICATION

#### Classification of the GHS

#### PHYSICAL HAZARDS

**Corrosive to metals** Category 1

#### HEALTH HAZARDS

**Skin corrosion/irritation** Category 1C  
Category 1

**Serious eye damage/eye irritation**

**ENVIRONMENTAL HAZARDS** Not classified

#### GHS label elements

#### Pictograms or hazard symbols

**Signal word** Danger

**Hazard statement** May be corrosive to metals  
Causes severe skin burns and eye damage

#### Precautionary statements

Keep only in original container.

#### [Prevention]

Do not breathe.

Wash hands thoroughly after handling.

Wear protective gloves/eye protection/face protection.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

#### [Response]

breathing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

Immediately call a POISON CENTER or doctor/physician.

Absorb spillage to prevent material damage.

**[Storage]** Store locked up.

**[Disposal]** Dispose of contents/container through a waste management company authorized by the local government

### Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component(s): 2-Chloro-5-nitrobenzoyl Chloride  
Percent: >98.0%(GC)(T)  
CAS Number: 25784-91-2  
Chemical Formula: C7H3Cl2NO3

### Section 4. FIRST AID MEASURES

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

#### **Inhalation:**

Immediately call a POISON CENTER or doctor/physician.

Remove/Take off immediately all contaminated clothing. Gently wash with plenty of

#### **Skin contact:**

soap and water. Immediately call a POISON CENTER or doctor/physician.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT

induce vomiting.

A rescuer should wear personal protective equipment, such as rubber gloves and air-

#### **Protection of first-aiders:**

tight goggles.

### Section 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Dry chemical, carbon dioxide.

#### **Extinguishing media not to be used:**

**Water:** Not recommended.

#### **Specific hazards:**

Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

**Specific methods:** Fire-extinguishing work is done from the windward and the suitable fire-extinguishing

method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.

**Special protective equipment for firefighters:** When extinguishing fire, be sure to wear personal protective equipment.

**Additional protective equipment:** None.

### Section 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Use extra personal protective equipment (P3 filter respirator for toxic particles). Keep

**protective equipment and people away from and upwind of spill/leak. Entry to non-involved personnel should**  
**emergency procedures: be controlled around the leakage area by roping off, etc.**  
**Environmental precautions: Prevent product from entering drains.**  
**Methods and materials for Sweep dust to collect it into an airtight container, taking care not to disperse it.**  
**containment and cleaning Adhered or collected material should be promptly disposed of, in accordance with**  
**up: appropriate laws and regulations.**  
**Prevention of secondary Do not allow contact with water. Remove all sources of ignition. Fire-extinguishing**  
**hazards:** devices should be prepared in case of a fire. Use spark-proof tools and explosion-proof equipment.

## **Section 7. HANDLING AND STORAGE**

### **Handling**

**Technical measures:** Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent dispersion of dust. Wash hands and face thoroughly after handling.

Use a closed system if possible. Use a local exhaust if dust or aerosol will be generated.

**Advice on safe handling:** Avoid contact with skin, eyes and clothing.

May develop pressure. Open carefully.

Use corrosive resistant equipment.

### **Storage**

**Storage conditions:** Keep container tightly closed. Store in a cool and dark place.

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## **Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering controls:** Install a closed system or local exhaust. Also install safety shower and eye bath.

### **Personal protective equipment**

**Respiratory protection: Dust respirator, self-contained breathing apparatus(SCBA), supplied air respirator,**

etc. Use respirators approved under appropriate government standards and follow local and national regulations.

**Hand protection:** Impervious gloves.

**Eye protection:** Safety goggles. A face-shield, if the situation requires.

**Skin and body protection: Impervious protective clothing. Protective boots, if the situation requires.**

## **Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state (20°C):** Solid

**Form:** crystal - powder  
**Color:** White - Pale yellow green  
**Odor:** No data available  
**pH: No data available**  
**Melting point/freezing point:58 °C**  
158 °C/1.5kPa  
**Boiling Point/Range:**  
**Flash Point:** No data available  
**Explosive limits**  
**Lower:** No data available  
**Upper:** No data available  
**Density:** No data available  
**Solubility:** Soluble in : Hot benzene

## Section 10. STABILITY AND REACTIVITY

**Stability:** Stable under proper conditions.  
Decomposes in contact with water and liberates toxic gases.

**Reactivity:**

**Conditions to avoid:** Moisture-sensitive

**Incompatible materials: oxidizing agents**

**Hazardous Decomposition Carbon monoxide, Carbon dioxide, Nitrogen oxides (NOx),  
Hydrogen chloride**

**Products:**

## Section 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** No data available

**Skin corrosion/irritation: No data available**

No data available

**Serious eye**

**damage/irritation:**

**Germ cell mutagenicity: No data available**

**Carcinogenicity:**

**IARC =** No data available

**NTP =** No data available

**Reproductive toxicity:** No data available

## Section 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

No data available

**Fish:**

**Crustacea:** No data available

No data available

**Algae:**

**Persistence / degradability: No data available**

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## **Section 12. ECOLOGICAL INFORMATION**

**Bioaccumulative** No data available

**potential(BCF):**

**Mobility in soil**

No data available

**log Pow:**

**Soil adsorption (Koc):** No data available

No data available

**Henry's Law**

**constant(PaM<sup>3</sup>/mol):**

## **Section 13. DISPOSAL CONSIDERATIONS**

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material

with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system.

Observe all federal, state and local regulations when disposing of the substance.

## **Section 14. TRANSPORT INFORMATION**

8: Corrosive.

**Hazards Class:**

**UN-No:** 3261

Corrosive solid, acidic, organic, n.o.s.

**Proper shipping name:**

**Packing group:** III

## **Section 15. REGULATORY INFORMATION**

**Safe management ordinance of dangerous chemical product (State Council announces on January 26,**

**2002): Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were**

prescribed.

## **SECTION 16 - ADDITIONAL INFORMATION**

N/A