



2, 3-DICHLORO BENZOYL CHLORIDE CAS No.2905-60-4 MSDS

Section 1 - Product and Company Information

Substance : 2, 3-DICHLORO BENZOYL CHLORIDE

Trade Name : 2,3-Dichloro Benzoyl Chloride

Chemical Family : Acid Chloride

<u>Section 2 - Composition / Information on Ingredients Product Name</u>	CAS No.	EC No.	Mol. Formula	Mol. Wt.
2,3 Dichloro Benzoyl Chloride	2905-60-4	220-811-5	C7H3Cl3O	209.46

Section 3 – Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Highly Flammable. Corrosive and causes burns and severe irritation. Reacts violently with water.

Section 4 – First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen by artificial respiration or give oxygen by trained personnel. Keep warm. Get immediate medical attention.

AFTER EYE CONTACT

Immediately flush the eyes with plenty of water at least 20min. Assure adequate flushing of eyes by separating the eyelids with fingers. Get immediate medical attention if irritation persists, or symptoms of overexposure become apparent.

AFTER SKIN CONTACT

Immediately wash skin with plenty of water for at least 20 minutes, while removing contaminated clothing and shoes. Get medical attentions especially, if irritation develops, persists, or symptoms of overexposure become apparent.

AFTER INGESTION

If swallowed, call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting unless instructed by medical personnel. Get medical attention.

Section 5 – Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Carbon dioxide or Dry Chemical Powder

Unsuitable: Water extinguishers are not recommended.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and full protective clothing to prevent contact with skin and eyes.

Section 6 – Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL

Evacuate area. Shut down all sources of ignition.

ROCEDURE(S) OF PERSONAL PRECAUTION(S)

Use personnel protective equipment as listed in Section 8.

METHODS FOR CLEANING UP

Clean up the spills immediately with dry lime, sand or soda ash, observing precautions in the Protective Equipment section. Sweep up the place into a suitable container for disposal. Refer to section 13 for disposal requirements.

Section 7 - Handling and Storage

HANDLING

This product should be handled only by, or under the close supervision of those properly qualified in the handling and use of potentially hazardous chemicals, who should take into account the fire, health and chemical hazard data. It should be handled in an efficient fume hood or equivalent system. The user should consider that the toxicological and physiological properties of many compounds are not yet

well determined and that new hazardous products may arise from coming into contact with the skin or eyes and from contaminating personal clothing.

STORAGE

Store in a cool, dry, well ventilated area away from sources of heat, combustible materials and incompatible substances. Keep container tightly closed when not in use. Product is moisture sensitive.

HYGIENE PRACTICES

Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling dust.

Section 8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls airborne levels below recommended exposure limits. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA and other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of personal protective equipment.

SKIN PROTECTION EQUIPMENT

Wear suitable protective clothing to prevent contact with skin.

HAND PROTECTION EQUIPMENT

Wear appropriate protective gloves. Consult glove manufacturers for glove permeability data.

EYE/FACE PROTECTION EQUIPMENT

Wear appropriate protective glasses or splash goggles to protect eye and face.

RESPIRATORY PROTECTION

An approved air purifying respirator with an appropriate cartridge or canister may be permissible under certain circumstances where airborne concentration are expected to exceed exposure limits. Protection provided by air purifying respirators is limited to air borne concentration that are typically within 10 times the exposure limit. Use a positive air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

OTHER PROTECTIVE EQUIPMENTS

Facilities storing or utilizing this material should be equipped with an eye-wash facility and safety shower.

Section 9 - Physical and Chemical Properties

Physical Appearance: Solid

Colour: White to Brown

Property

pH : N/A

BP/BP Range : 140 °C (284°F)/14mm

MP/MP Range : 30-32 °C (86-89.6°F)

Flash Point : 167°C (332.6°F)

Flammability : N/A

Autoignition Temp : N/A

Oxidizing Properties : N/A

Explosive Properties : N/A

Explosion Limits Lower : N/A

Upper :

Vapor Pressure : N/A

SG/Density : N/A

Partition Coefficient : N/A

Viscosity : N/A

Vapor Density : N/A

Saturated Vapor Conc. : N/A

Evaporation Rate : N/A

Bulk Density : N/A

Decomposition Temp. : N/A

Solvent Content : N/A

Water Content : N/A

Surface Tension : N/A

Conductivity : N/A

Miscellaneous Data : N/A

Solubility in water : Insoluble (reacts)

Solubility Other Solvents : N/A

Section 10 - Stability and Reactivity**STABILITY**

Conditions to Avoid: Heat Flame and Sparks

Incompatibilities with other materials: Oxidizing agents, Avoid exposure to moist air or water

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Hydrogen chloride.

Section 11 - Toxicological Information**SIGNS AND SYMPTOMS OF EXPOSURE**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. No data reported in the cited references as of the revision date

ROUTE OF EXPOSURE

Multiple Routes: Harmful if swallowed, inhaled, or absorbed through skin. Causes burns.

Section 12 - Ecological Information

ECOTOXICOLOGICAL EFFECTS

Ecotoxicity : N/A

Bioaccumulation : N/A

Biodegradation : N/A

Environmental Stability: : N/A

Section 13 - Disposal Considerations

SUBSTANCE DISPOSAL

Consult with your state or local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the state or local guidelines, by licensed disposal company.

Section 14 - Transport Information

DOT

Shipping name : Corrosive solid, acidic, organic.,
n.o.s. (2,3-Dichloro benzoyl chloride)

Hazard Class : 8

Identification : UN 3261

Packing group : II

Subpart E Labeling Requirement : 8

Section 15 - Regulatory Information

TSCA 8(b): Inventory Status : Listed on inventory status

Risk Phrases : R34 Causes Burns

Safety Phrases : S26 In case of contact with eye, rinse immediately with plenty of water and seek medical advise.

: S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

: S45 in case of accident or if you feel unwell, seek medical advise immediately.

Section 16 - Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Spar Chem, Mumbai, shall not be held liable for any damage resulting from handling or from contact with the above product

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