

Revision Date: 10.08.2024

Version 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product Name: 2-BROMO-3-CHLOROPROPIOPHENONE

Synonyms: 2-bromo-3'-chloropropiofenon

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Laboratory chemicals, production of substances.

Advised against use: Other than those mentioned above.

1.3. Details of the supplier of the safety data sheet

Company: Nitrochemis
Sanocka 11/20
53-304 Wroclaw, Poland
Telephone: +48 507 733 248
E-mail: biuro@nitrochemis.pl

1.4. Emergency telephone number

Emergency Phone 112
998 (Fire brigade)
999 (Ambulance Service)

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

Skin Corrosion / irritation - H315 (Category 2)

Serious Eye Damage / Eye Irritation - H319 (Category 2)

May cause an allergic skin reaction - H317 (Category 1)

2.2. Label elements

Pictogram: Warning

Hazard statement(s)

H319 - Causes serious eye irritation

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

Precautionary statement(s)

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 - Wash skin thoroughly after use.

P280 - Wear protective gloves and eye protection.

P302 + P352 - IF ON SKIN: wash with plenty of water.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: consult a doctor.

2.3. Other hazards

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

Component	EC No.	Concentration	CAS No.	REACH No.
2-bromo-3-chloropropiophenone	-	99	34911-51-8	-

SECTION 4: FIRST AID MEASURES**4.1. 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 while removing all contaminated clothes and shoes. Obtain medical attention. If skin irritation occurs: Get medical advice/attention.
If swallowed	Do not induce vomiting. Clean mouth with water. Get medical attention.
If inhaled	Remove from exposure, lie down. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation: no data available

Skin contact: irritation, redness, rash, itching, allergic reaction.

Eye contact: irritation, tearing, redness, pain.

Ingestion: no data available

4.3. Indication of any immediate medical attention and special treatment needed

If symptoms or concerns occur, seek medical advice. Show the safety data sheet, label or packaging to medical personnel.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide (CO₂). Dry chemical. Diffuse water jet. Chemical foam.

Inappropriate extinguishing media

Solid water leak - fire may spread.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition may cause the release of carbon oxides (CO, CO₂), hydrogen bromide (HBr), hydrogen chloride (HCl). Avoid inhaling combustion products - they may pose a health hazard.

5.3. Advice for firefighters

Do not allow sewage from extinguishing the fire to enter sewage systems or water bodies. Dispose of the resulting sewage and fire residues in accordance with applicable regulations. Persons involved in extinguishing a fire should be trained and equipped with appropriate clothing and protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURE**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact of the product with eyes and skin. Avoid breathing dust/fumes. Use personal protective equipment - see section 8. Keep unprotected persons away. Ensure adequate ventilation.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. In case of release of large quantities of the product, inform the appropriate authorities.

6.3. Methods and material for containment and cleaning up

Sprinkle with inert absorbent material (sand, sawdust, universal absorbent, etc.) Collect and place in a marked waste container. Dispose in accordance with national regulations.

6.4. Reference to other sections

For disposal see section 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Use personal protective equipment - see section 8. Avoid contact with skin and eyes. Avoid dust formation and aerosols. Provide adequate exhaust ventilation in areas where dust is generated. Do not breathe dust, fumes or spray mist. Do not consume. Do not eat, drink or smoke when working with the product. Usual preventive fire protection measures.

7.2. Conditions for safe storage, including any incompatibilities

Keep the container tightly closed in a dry, cool and well-ventilated place. Store contents under an inert gas atmosphere. Recommended storage temperature: 4°C. The substance is sensitive to light.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

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8.2. Exposure controls**Engineering Measures**

Provide adequate general and local ventilation.

Personal protective equipment

Eye protection – Safety glasses

Skin protection - Product-resistant protective gloves and protective clothing. Worn gloves should be replaced regularly.

Respiratory protection – In case of insufficient ventilation, use appropriate respiratory protection equipment, e.g. a mask with an ABEK filter.

Environmental exposure controls – Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	Form: liquid Colour: Colorless to pale yellow
pH	No data available
Melting point/Range	No data available
Boiling point/Range	295°C in 760mmHg
Flash point	132.2°C
Auto-ignition temperature	No data available
Decomposition temperature	No data available

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

The product is not reactive

10.2. Chemical stability

The substance is stable under normal ambient conditions and at the expected temperature and pressure during storage and handling.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No data available. Products generated in a fire environment see section 5.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

It is irritating to the skin.

Serious eye damage/eye irritation

Irritating to eyes.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity - Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure - Based on available data, the classification criteria are not met.

Aspiration hazard - Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product

Dispose of in accordance with national waste regulations. Do not pour into drains.

Contaminated packaging

Dispose of in accordance with national waste regulations.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG/IMO	IATA
14.1 UN Number	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.2 UN proper shipping name	Not dangerous goods	Not dangerous goods	Not dangerous goods
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	No	No	No

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

Explanation of abbreviations and acronyms:

NDS	The highest permissible concentration.
STEL	The highest permissible temporary concentration.
NDSP	Highest permissible ceiling concentration.
vPvB	(Substance) Very persistent and very bioaccumulative
PBT	(Substance) Persistent, bioaccumulative and toxic
PNEC	Predicted No Effect Concentration
NDEL	No effect level