

Revision Date: 23.05.2021

Version 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**Product Name: 2-Bromovalerophenone

Synonyms: 2-bromo-1-phenyl-pentan-1-one

1.2. Relevant identified uses of the substance or mixture and uses advised againstRecommended use: Laboratory chemicals
Manufacture of substances

Advised use: No data available

1.3. Details of the supplier of the safety data sheetCompany: 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**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

2.1. Classification of the substance or mixture

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

2.2. Label elementsPictogram Not classified
Signal word Not classified
Hazard statements Not classified**2.3. Other hazards**

No data available.

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

Component	EC No.	Concentration	CAS No.	Molecular weight
2-Bromovalerophenone	-	>98	49851-31-2	241,12 g/mol

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures****In case of eye Contact** Flush eyes with water as a precaution.**In case of skin Contact** Wash off with soap and plenty of water.**If swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting. Call a doctor immediately.**If inhaled** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.**4.2. Most important symptoms and effects, both acute and delayed**

No data available.

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

No data available.

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

Use dry chemical, carbon dioxide or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

Carbon oxides. Phosgene.

5.3. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available.

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

Avoid dust formation. Avoid breathing mist, gas or vapors. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

6.2. Environmental precautions

Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

Keep in suitable, closed containers for disposal. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

6.4. Reference to other sections

For disposal see section 13.

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

Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

7.3 Specific end use(s)

Laboratory chemicals. Manufacture of substances.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Components with workplace control parameters**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2. Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

Personal protective equipment**Eye/face protection**

Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US).

Skin and body protection

Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Form: liquid Colour: light yellow
Odour	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

9.2. Other information

No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not applicable.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides. Phosgene.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

Not available

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

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG/IMO	IATA
14.1 UN Number	-	-	-
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 data available.	No data available.	No data available.

SECTION 15: REGULATORY INFORMATION

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

This product does not contain any substances regulated by state right-to-know regulations

Component	EINECS	TSCA	DSL	PICCS	IECSC	KECI
2-bromovalerophenone	-	-	-	-	-	-

x - is on the list

SECTION 16: OTHER INFORMATION

Full text:

EINECS - European Inventory of Existing Commercial Chemical Substances

TSCA - Toxic Substances Control Act

DSL - Domestic Substances List

PICCS - Philippine Inventory of Chemicals and Chemical Substances

IECSC - The Inventory of Existing Chemical Substance in China

KECI - Korea Existing Chemicals Inventory