

Revision Date: 25.10.2020

Version 1.0

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

Synonyms: Butyl phenyl ketone

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

Advised use: No data available

**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**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.2. Label elements**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.3. Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

Component	EC No.	Concentration	CAS No.	Molecular weight
Valerophenone	213-767-3	99	1009-14-9	162,23 g/mol

No components need to be disclosed according to the applicable regulations.

**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.  
**If inhaled** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

**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 water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2. Special hazards arising from the substance or mixture**

Carbon oxides

**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 breathing vapours, mist or gas. For personal protection see section 8.

**6.2. Environmental precautions**

No special environmental precautions required.

**6.3. Methods and material for containment and cleaning up**

Keep in suitable, closed containers for disposal.

**6.4. Reference to other sections**

For disposal see section 13.

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

For precautions see section 2.2.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Components with workplace control parameters****8.2. Exposure controls****Appropriate engineering controls**

General industrial hygiene practice.

**Personal protective equipment****Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. 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.

**Body Protection**

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Control of environmental exposure

No special environmental precautions required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Form: clear, 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	244-245°C - lit.
Flash point	102°C closed cup
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	0,975 g/cm <sup>3</sup> at 20°C
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

No data available.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

No data available.

### 10.5. Incompatible materials

Acids, bases, strong oxidizing agents, plastics.

### 10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions - Carbon oxides.

Other decomposition products - No data available

In the event of fire: see section 5.

## 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

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**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**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 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**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0,1% or higher.

**12.6. Other adverse effects**

No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**
**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

## SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG/IMO	IATA
<b>14.1 UN Number</b>	-	-	-
<b>14.2 UN proper shipping name</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.3 Transport hazard class(es)</b>	-	-	-
<b>14.4 Packing group</b>	-	-	-
<b>14.5 Environmental hazards</b>	No	No	No
<b>14.6 Special precautions for user</b>	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 safety data sheet complies with the requirements of Registration (EC) No. 1907/2006.

**15.2. Chemical safety assessment**

For this product a chemical safety assessment was not carried out

## SECTION 16: OTHER INFORMATION

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