



Hazard statement(s)	
H302 H315	Harmful if swallowed.
H317 H318	Causes skin irritation.
H334	May cause an allergic skin reaction.
H335	Causes serious eye damage.
Precautionary statement(s)	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
P261	May cause respiratory irritation.
P280	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wear protective gloves/ protective clothing/ eye protection/ face protection.
P284	
P304 + P340 + P312	Wear respiratory protection.
P305 + P351 + P338 + P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF IN EYES: 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.
P342 + P311	
Supplemental Hazard Statements	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. none

## 2.3 Other hazards

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

### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Formula	C8H4O3
Molecular weight	148,12 g/mol
CAS-No.	85-44-9
EC-No.	201-607-5
Index-No.	607-009-004

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Phthalic anhydride		
CAS-No.	85-44-9	Acute Tox. 4; Skin Irrit. 2; Eye 100 <sup>0</sup> /0
EC-No.	201-607-5	Dam. 1; Resp. Sens. 1; Skin
Index-No.	607-009-00-4	Sens. 1; STOT SE 3; H302, H315, H318, 1-1334, H317, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures**

4.1 Description of first aid measures General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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: Fire fighting 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 measures**

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. 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

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. 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. Storage class (TRGS 510): Non Combustible Solids

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

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment Eye/face protection

Face shield and safety glasses 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. Body Protection Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

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

### SECTION 9: Physical and chemical properties

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

- |   |   |
|---|---|
| a) Appearance                               | Form: flakes<br>Colour: white   |
| b) Odour                                    | No data available   |
| c) Odour Threshold                          | No data available   |
| d) pH                                       | 2 at 6 at 20 °c   |
| e) Melting point/freezing point             | Melting point/range: 131 - 134 °c - lit.                                  |
| f) Initial boiling point and boiling range  | 284 °c - lit.   |
| g) Flash point                              | 152 °c – closed cup   |
| h) Evaporation rate                         | No data available   |
| i) Flammability (solid, gas)                | No data available   |
| j) Upper/Lower Flammability explosive limit | Upper explosion limit: 10,4 %(V)<br>Or<br>Lower explosion limit: 1,7 %(V) |
| k) Vapor pressure                           | < 0,01 hPa at 20 °c   |
| l) Vapor Density                            | No data available   |
| m) Relative density                         | 1,53 g/cm <sup>3</sup> at 20 °c   |
| n) Water solubility                         | 16,4 g/l at 20 °c – soluble   |
| o) Partition coefficient                    | Log Pow: 1,6 at 20 °c   |
| p) Auto-ignition temperature                | 580 °c  |

- q) Decomposition temperature      No data available
- r) Viscosity      No data available
- s) Explosive properties      No data available
- t) Oxidizing properties      No data available

## 9.2 Other safety Information

Surface Tension 32,7 mN/m at 180 °c

### **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:  
Avoid moisture.
- 10.5 Incompatible materials:  
Strong acids, Strong bases, Strong oxidizing agents, Strong reducing agents
- 10.6 Hazardous decomposition products:  
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  
LD50 Oral - Rat - male - 1.530 mg/kg  
LC50 Inhalation - Rat - 4 h - > 2,14 mg/l  
(OECD Test Guideline 403)  
LD50 Dermal - Rabbit - > 10.000 mg/kg  
Skin corrosion/irritation  
Skin - Rabbit  
Result: Mild skin irritation - 24 h  
Serious eye damage/eye irritation  
Eyes - Rabbit  
Result: Moderate eye irritation  
(Draize Test)  
Respiratory or skin sensitization  
Maximization Test (GPMT) - Guinea pig May  
cause allergic skin reaction. (OECD Test  
Guideline 406) in vivo assay - Guinea pig  
May cause allergic respiratory reaction.

Germ cell mutagenicity  
reverse mutation assay S.  
typhimurium  
Result: negative

**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 Inhalation:**

May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure:**

No data available

**Aspiration hazard:**

No data available

**Additional Information:**

Repeated dose Rat - male and female - Oral - NOAEL : 500 mg/kg toxicity RTECS:  
T13150000

prolonged or repeated exposure can cause:, Liver injury may occur., Kidney injury may occur., Exposure to and/or consumption of alcohol may increase toxic effects., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## **SECTION 12: Ecological information**

### 12.1 Toxicity

Toxicity to fish semi-static test LC50 - Danio rerio (zebra fish) - 560 mg/l - 7 d Toxicity to daphnia and Immobilization. EC50 - Daphnia magna (Water flea) - > 640 mg/l - 48 h other aquatic invertebrates

Toxicity to algae                      EC50 - Pseudokirchneriella subcapitata (green algae) - 60 - 350 mg/l - 96 h

### 12.2 Persistence and degradability

Biodegradability                      Biotic/Aerobic - Exposure time 14 d  
Result: 85 % - Readily biodegradable  
(OECD                      Test

### Guideline 301)

12.3 Bio accumulative 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, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Harmful to aquatic life.

No data available

**SECTION 13: Disposal considerations**

13.1 Waste treatment methods Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

**SECTION 14: Transport information**

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name ADR/RID:

Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA:

no

14.6 Special precautions for user No data available

**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

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

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

**SECTION 16: Other information**

Full text of H-Statements referred to under sections 2 and 3.

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H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.

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**Further 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. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.cdhfinechemical.com](http://www.cdhfinechemical.com) for additional terms and conditions of sale.