



## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION 1: Identification

#### 1.1 Product identifiers

**Product Name :** Para anisic aldehyde

**Cat No.:** A88107

**CAS No. :** 123-11-5

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

**Recommended uses :** Laboratory chemicals

**Uses advised against:** Food, drug, pesticide or biocidal product use.

#### 1.3 Details of the supplier of the safety data sheet

**Company :** Krishna Solvechem Limited.  
B/503, Sahayog, S. V. Road,  
Kandivali (West), Mumbai – 400067. India.

**Telephone :** +91-22-6123 0222

**Email :** exports@kscl.co.in

#### 1.4 Emergency telephone number

**Emergency Phone :** +91-8657457330

### SECTION 2: Hazards identification

#### 2.1 Classification

**Classification according to Regulation (EC) No 1272/2008**

Long term (Chronic) aquatic hazard	(Category 3)
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#### 2.2 Label elements

**Signal word** None

**Hazard statement (s)** Harmful to aquatic life with long lasting effects.

#### 2.3 Precautionary statement(s)

Avoid release to the environment  
Dispose of contents/ container to an approved waste disposal  
Plant

#### 2.4 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

Component	CAS-No	Weight %
4-methoxybenzaldehyde	123-11-5	<=100

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

<b>If inhalation :</b>	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
<b>In case of skin contact :</b>	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
<b>In case of eye contact :</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>Ingestion :</b>	Clean mouth with water and drink afterwards plenty of water.
<b>4.2 Most important symptoms and effects :</b>	Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting
<b>4.3 Notes to Physician :</b>	Treat symptomatically

### SECTION 5: Firefighting effects

#### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Water foam, carbon dioxide (CO <sub>2</sub> ), dry powder
<b>Unsuitable Extinguishing Media:</b>	For this substance/mixture no limitations of extinguishing agents are given.
<b>5.2 Flash Point :</b>	116 °C
<b>Method :</b>	Closed cup



<b>Autoignition Temperature:</b>	220 °C at 1.013,25 hPa - DIN 51794
<b>Explosion Limits:</b>	
<b>Upper</b>	5.3 %(V)
<b>Lower</b>	1.4 %(V)
<b>Sensitivity to Mechanical Impact</b>	No information available
<b>Sensitivity to Static Discharge</b>	No information available
<b>Specific Hazards Arising from the Chemical :</b>	Combustible. Vapors are heavier than air and may spread along floors. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.
<b>Hazardous Combustion Products :</b>	Carbon oxides
<b>5.4 Protective Equipment and Precautions for Firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>5.5 Further information :</b>	Prevent fire extinguishing water from contaminating surface water or the ground water

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert.  
For personal protection see section 8.

### 6.2 Environmental precautions

Do not let product enter drains

### 6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemisorb®). Dispose of properly. Clean up affected area.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

For precautions see section 2.2



## 7.2 Conditions for safe storage

### Storage conditions

Tightly closed.

### Storage class

Storage class (TRGS 510): 10: Combustible liquids

## SECTION 8: Exposure controls/personal protection

### 8.1 Exposure controls

#### 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). Safety glasses

##### Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with othersubstances and under conditions deviating from those stated in EN 16523-1 pleasecontact the supplier of CE-approved gloves

Full contact

Material: butyl-rubber

Minimum layer thickness: 0,7 mm

Break through time: 480 min

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use.

##### Respiratory protection

Not required, except in case of aerosol formation

##### Control of environmental exposure

Do not let product enter drains

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Appearance	Dark yellow clear Liquid
b) Odour	amine - like
c) Odour Threshold	No information available
d) pH	7 at 2 g/l at 20 °C
e) Melting point / freezing point	-1 °C - lit
f) Initial boiling point and	248 °C - lit



<b>boiling range</b>	
<b>g) Flash point</b>	116 °C – closed cup
<b>h) Evaporation rate</b>	No information available
<b>i) Flammability (solid, gas)</b>	Not applicable
<b>j) Upper/lower flammability or explosive limits</b>	Upper : 5.3 %(V) Lower : 1.4 %(V)
<b>k) Vapour pressure</b>	77 hPa at 160 °C < 1 hpa at 20 °C
<b>l) Vapour density</b>	4.70 – (Air = 1.0)
<b>m) Specific Gravity</b>	No information available
<b>n) Solubility</b>	2 g/l at 20 °C - (Lit.)
<b>o) Partition coefficient: n octanol/water</b>	log Pow: 1,56 at 25 °C - Bioaccumulation is not expected.
<b>p) Auto-ignition temperature</b>	220 °C at 1.013,25 hpa – DIN 51794
<b>q) Decomposition temperature</b>	No data available
<b>r) Viscosity</b>	No information available
<b>s) Molecular formula</b>	C8 H8 O2
<b>t) Molecular Weight</b>	136.15 g/mol

### SECTION 10: Stability and Reactivity

<b>10.1 Reactive Hazard :</b>	Forms explosive mixtures with air on intense heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.
<b>10.2 Chemical stability :</b>	Stable under standard ambient conditions (room temperature)
<b>10.3 Possibility of hazardous reactions :</b>	Violent reactions possible with : bases, acids
<b>10.4 Conditions to avoid :</b>	Strong heating
<b>10.5 Incompatible materials:</b>	Strong oxidizing agents, Aluminum, iron
<b>10.6 Hazardous decomposition products :</b>	In the event of fire : see section 5
<b>10.7 Hazardous Polymerization</b>	No information available

## SECTION 11: Toxicological information

### 11.1

#### Information on toxicological effects

##### Acute toxicity:

LD50 Oral - Rat - male and female - 3.210 mg/kg  
 (OECD Test Guideline 401)  
 Inhalation: No data available  
 LD50 Dermal - Rabbit - > 5.000 mg/kg  
 Remarks: (ECHA)

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

##### **Skin corrosion/irritation**

Skin - Rabbit  
 Result: No skin irritation - 24  
 h(OECD Test Guideline 404)

##### **Serious eye damage/eye irritation**

Eyes - Rabbit  
 Result: No eye irritation  
 (OECD Test Guideline 405)

##### **Respiratory or skin sensitization**

Local lymph node assay (LLNA) -  
 Mouse Result: Not a skin sensitizer.  
 (OECD Test Guideline 429)

##### **Germ cell mutagenicity**

Test Type: gene mutation test  
 Test system: Chinese hamster lung cells  
 Metabolic activation: with and without metabolic  
 activation Method: OECD Test Guideline 476  
 Result: negative

**Carcinogenicity :** No information available.

**Reproductive Effects:** No information available.

**Developmental Effects :** No information available.

**Teratogenicity:** No information available.

**STOT - single exposure :** Respiratory system

**STOT - repeated exposure:** None known

**Aspiration hazard :** No information available.

**Endocrine Disruptor Information :** No information available

**Other Adverse Effects :** The toxicological properties have not been fully investigated.



## SECTION 12: Ecological information

### 12.1

#### Toxicity:

Toxicity to fish	static test LC50 - Leuciscus idus (Golden orfe) - 148,32 mg/l - 96 h Remarks: (ECHA)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia - 82,8 mg/l - 48 h Remarks: (ECHA)
Toxicity to algae	static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 68,4 mg/l - 72 h (OECD Test Guideline 201) static test NOEC - Pseudokirchneriella subcapitata (green algae) - 26,7 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	static test EC50 - activated sludge - 850 mg/l - 30 min (ISO 8192)
Toxicity to daphnia and other aquatic invertebrates(Chronic toxicity)	semi-static test NOEC - Daphnia magna (Water flea) - 0,71 mg/l -21 d (OECD Test Guideline 211)

### 12.2 Persistence and degradability:

Biodegradability	aerobic - Exposure time 6 d Result: 97 % - Readily biodegradable.(OECD Test Guideline 301E)
Biochemical Oxygen Demand (BOD)	2.020 mg/g Remarks: (External MSDS)
Chemical Oxygen Demand (COD)	1.510 mg/g Remarks: (External MSDS)

**Bioaccumulation/ Accumulation**                      No information available

**12.3 Mobility:**                                      No information available

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods:** No data available

## SECTION 14: Transport information

<b>14.1 DOT :</b>	Not regulated
<b>14.2 TDG :</b>	Not regulated
<b>14.3 IATA :</b>	Not regulated
<b>14.4 IMDG :</b>	Not regulated



## SECTION 15: Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No.1907/2006.

### 15.2 Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.

### 15.3 Chemical safety Assessment

For this product a chemical safety assessment was not carried out

## SECTION 16: Other information

<b>16.1 Prepared By:</b>	Regulatory affairs Krishna Solvechem Limited
<b>Email:</b>	exports@kscl.co.in
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<b>Print Date:</b>	19-May-2023
<b>Revision Summary:</b>	This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 C F R 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

### 16.2 Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



