



## ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

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## MATERIAL SAFETY DATA SHEET (MSDS) SDS/MSDS

### ANISALDEHYDE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form

Trade name: ANISALDEHYDE EXTRA PURE

EC-No. : 204-602-6

CAS-No. : 123-11-5

Formula : C<sub>8</sub>H<sub>8</sub>O<sub>2</sub>

Chemical structure

Synonyms: 4-Methoxybenzaldehyde, 4-Methoxybenzenecarbaldehyde

: Substance

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

1.2.1. Relevant identified uses

Industrial/Professional use spec

Use of the substance/mixture

1.2.2. Uses advised against

No additional information available

: Industrial

For professional use only

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type

Name

CAS-No.

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EC-No.

3.2. Mixtures

: Mono-constituent

: ANISALDEHYDE

: 123-11-5

: 204-602-6

Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation

First-aid measures after skin contact

First-aid measures after eye contact

First-aid measures after ingestion

: Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing.

: Wash with plenty of water/... Wash skin with plenty of water.

: Rinse immediately with plenty of water. Rinse eyes with water as a precaution.

: Rinse mouth. Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media

Unsuitable extinguishing media

: Carbon dioxide. Dry powder. Foam. Water spray.

: Do not use a heavy water stream.

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

Hazardous decomposition products in case of fire

#### 5.3. Advice for firefighters

: Toxic fumes may be released.

Protection during firefighting

: Do not enter fire area without proper protective equipment, including respiratory protection.

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

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Emergency procedures

6.1.2. For emergency responders

Protective equipment

6.2. Environmental precautions

: Ventilate spillage area. Evacuate unnecessary personnel.

: Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Other information

6.4. Reference to other sections

: Take up liquid spill into absorbent material. Collect spillage. On land, sweep or shovel into suitable containers.

: Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Hygiene measures

: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours.

: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

7.3. Specific end use(s)

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

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available



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### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

##### 8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

##### 8.2.2.2. Skin protection

Hand protection:

Protective gloves

##### 8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask

##### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

Appearance : Clear liquid.

Molecular mass : 136.15 g/mol

Colour : Colourless to pale yellow.

Odour : sweetish odor.

Odour threshold : No data available

pH : 7.2 g/l at 20°C

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : -1 °C

Boiling point : 248 °C

Flash point : 116 °C

Auto-ignition temperature : 225 °C

Decomposition temperature : No data available

Flammability (solid, gas) : Not applicable

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Vapour pressure : 0.0329 mm Hg at 25°C

Relative vapour density at 20 °C : 4.7 (Air=1)

Relative density : No data available

Density : 1.119 g/cm<sup>3</sup> at 25°C

Solubility : Water: Insoluble in water

Partition coefficient n-octanol/water (Log Pow) : 1.56 at 25°C - Bioaccumulation is not expected.

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Lower explosive limit (LEL) : 1.4 vol %

Upper explosive limit (UEL) : 5.3 vol %

9.2. Other information

No additional information available



SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

ANISALDEHYDE EXTRA PURE

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Direct sunlight. Heat. Sparks.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)

Acute toxicity (dermal)

Acute toxicity (inhalation)

Skin corrosion/irritation

Serious eye damage/irritation

Respiratory or skin sensitisation

Germ cell mutagenicity



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Carcinogenicity  
Reproductive toxicity  
STOT-single exposure  
STOT-repeated exposure  
Aspiration hazard

SECTION 12: Ecological information

: Not classified

: Not classified

: Not classified

: Not classified

pH: 7.2 g/l at 20°C

: Not classified

pH: 7.2 g/l at 20°C

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

: Not classified

12.1. Toxicity

Ecology - general

Hazardous to the aquatic environment, short-term  
(acute)

Hazardous to the aquatic environment, long-term  
(chronic)

12.2. Persistence and degradability

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

: Not classified

: Not classified

No additional information available

12.3. Bioaccumulative potential

ANISALDEHYDE EXTRA PURE (123-11-5)

Partition coefficient n-octanol/water (Log Pow)

12.4. Mobility in soil

1.56 at 25°C - Bioaccumulation is not expected.

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects





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No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number

UN-No. (ADR) : Not regulated

UN-No. (IMDG) : Not regulated

UN-No. (IATA) : Not regulated

UN-No. (ADN) : Not regulated

UN-No. (RID) : Not regulated

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated

Proper Shipping Name (IMDG) : Not regulated

Proper Shipping Name (IATA) : Not regulated

Proper Shipping Name (ADN) : Not regulated

Proper Shipping Name (RID) : Not regulated

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not regulated

IMDG

Transport hazard class(es) (IMDG) : Not regulated

IATA

Transport hazard class(es) (IATA) : Not regulated

ADN

Transport hazard class(es) (ADN) : Not regulated

RID

Transport hazard class(es) (RID) : Not regulated

14.4. Packing group

Packing group (ADR) : Not regulated

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

Packing group (ADN) : Not regulated

Packing group (RID) : Not regulated

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

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14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

ANISALDEHYDE EXTRA PURE is not on the REACH Candidate List

ANISALDEHYDE EXTRA PURE is not on the REACH Annex XIV List

ANISALDEHYDE EXTRA PURE is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

ANISALDEHYDE EXTRA PURE is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Water hazard class (WGK)

Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen

SZW-lijst van mutagene stoffen

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Ontwikkeling

15.2. Chemical safety assessment

: WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 5182)

: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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: The substance is not listed

: The substance is not listed

: The substance is not listed

: The substance is not listed

: The substance is not listed

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms

ADN

ADR

European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE

Acute Toxicity Estimate

Abbreviations and acronyms

BCF Bioconcentration factor

BLV Biological limit value

BOD Biochemical oxygen demand (BOD)

COD Chemical oxygen demand (COD)

DMEL Derived Minimal Effect level

DNEL Derived-No Effect Level

EC-No. European Community number

EC50 Median effective concentration

EN European Standard

IARC International Agency for Research on Cancer

IATA International Air Transport Association

IMDG International Maritime Dangerous Goods

LC50 Median lethal concentration

LD50 Median lethal dose

LOAEL Lowest Observed Adverse Effect Level

NOAEC No-Observed Adverse Effect Concentration

NOAEL No-Observed Adverse Effect Level

NOEC No-Observed Effect Concentration

OECD Organisation for Economic Co-operation and Development

OEL Occupational Exposure Limit

PBT Persistent Bioaccumulative Toxic

PNEC Predicted No-Effect Concentration

RID Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS Safety Data Sheet

STP Sewage treatment plant

ThOD Theoretical oxygen demand (ThOD)

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TLM Median Tolerance Limit

VOC Volatile Organic Compounds

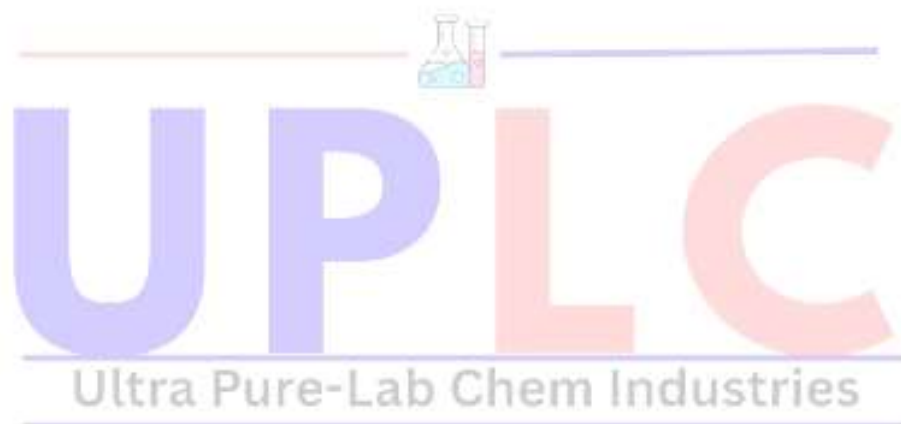
CAS-No. Chemical Abstract Service number

N.O.S. Not Otherwise Specified

vPvB Very Persistent and Very Bioaccumulative

ED Endocrine disrupting properties

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



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