

Section 1 - Chemical Product and Company Identification

MSDS Name: p-Anisaldehyde
Catalog Numbers: A/7490/PB05
Synonyms: 4-Methoxybenzaldehyde.
Company Identification: Fisher Scientific UK
Bishop Meadow Road, Loughborough
Leics. LE11 5RG
For information in Europe, call: (01509) 231166
Emergency Number, Europe: 01509 231166

Section 2 - Composition, Information on Ingredients

CAS#: 123-11-5
Chemical Name: p-Anisaldehyde
%: 99+
EINECS#: 204-602-6

Hazard Symbols: XN



Risk Phrases: 22

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning! May cause respiratory tract irritation. Harmful if swallowed. Causes eye and skin irritation. Target Organs: Blood, kidneys, central nervous system, liver, eyes, skin.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation. May be harmful if absorbed through the skin.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.

May cause liver and kidney damage. Laboratory experiments have resulted in mutagenic effects. Chronic exposure may cause blood effects. Exposure to high concentrations may cause central nervous system depression.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Get medical aid immediately. Call a poison control center.

Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to

Physician: Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Autoignition Temperature: 225 deg C (437.00 deg F)

Flash Point: 116 deg C (240.80 deg F)

Explosion Limits: 1.4 vol %
Lower:

Explosion Limits: 5.3 vol %
Upper:

NFPA Rating: health: 2; flammability: 1; instability: 1;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Provide ventilation. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

Storage: Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

| Chemical Name | ACGIH | NIOSH | OSHA - Final PELs |
|----------------|-------------|-------------|-------------------|
| p-Anisaldehyde | none listed | none listed | none listed |

OSHA Vacated PELs: p-Anisaldehyde: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Color: clear colorless to pale yellow

Odor: none reported

pH: 7 (2g/L aq.sol.)

Vapor Pressure: 1.5 mbar @ 74.7 deg C

Vapor Density: 4.7 (air=1)

Evaporation Rate: Not available

Viscosity: 4.1 mPa @ 25 deg C

Boiling Point: 248 - 249 deg C @ 760mmHg

Freezing/Melting Point: -1 deg C (30.20°F)

Decomposition Temperature:

Solubility in water: 2 g/L (20°C)

Specific Gravity/Density: 1.121

Molecular Formula: C₈H₈O₂

Molecular Weight: 136.15

Section 10 - Stability and Reactivity

| | |
|--|---|
| Chemical Stability: | Air sensitive. |
| Conditions to Avoid: | Incompatible materials, exposure to air, excess heat. |
| Incompatibilities with Other Materials | Not available |
| Hazardous Decomposition Products | Carbon monoxide, carbon dioxide. |
| Hazardous Polymerization | Has not been reported. |

Section 11 - Toxicological Information

| | |
|------------------|---|
| RTECS#: | CAS# 123-11-5: BZ2625000 |
| | RTECS: |
| | CAS# 123-11-5: Draize test, rabbit, skin: 500 mg/24H Moderate; |
| | Oral, mouse: LD50 = 1859 mg/kg; |
| LD50/LC50: | Oral, mouse: LD50 = 1858.6 mg/kg; |
| | Oral, rat: LD50 = 1510 mg/kg; |
| | Oral, rat: LD50 = 1847.8 mg/kg; |
| | Skin, rabbit: LD50 = >5 gm/kg; |
| | . |
| Carcinogenicity: | p-Anisaldehyde - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65. |
| Other: | See actual entry in RTECS for complete information. |

Section 12 - Ecological Information

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|--------|---------------------------|
| Other: | Do not empty into drains. |
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Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: DOT regulated - small quantity provisions apply (see 49CFR173.4)

Hazard Class:

UN Number:

Packing Group:

Canada TDG

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XN

Risk Phrases:

R 22 Harmful if swallowed.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 123-11-5: 1

Canada

CAS# 123-11-5 is listed on Canada's DSL List

Canadian WHMIS Classifications: D1B, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 123-11-5 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 123-11-5 is listed on the TSCA

Inventory.

Section 16 - Other Information

MSDS Creation Date: 12/12/1997

Revision #7 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
