

# Material Safety Data Sheet

## Anisaldehyde

ACC# 90026

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Anisaldehyde

**Catalog Numbers:** AC104800000, AC104800050, AC104801000, AC104805000

**Synonyms:** 4-Methoxybenzaldehyde; Anisic aldehyde; p-Methoxybenzaldehyde; p-Formylanisole.

**Company Identification:**

Acros Organics N.V.  
One Reagent Lane  
Fair Lawn, NJ 07410

**For information in North America, call:** 800-ACROS-01

**For emergencies in the US, call CHEMTREC:** 800-424-9300

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
123-11-5	p-Anisaldehyde	> 98	204-602-6

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

**Appearance:** colorless to slight yellow liquid.

**Caution!** May be harmful if swallowed. May cause eye and skin irritation. May cause respiratory tract irritation. Air sensitive.

**Target Organs:** Eyes, skin, mucous membranes.

#### Potential Health Effects

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation. Prolonged or repeated contact may dry/defat the skin and cause irritation.

**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.

**Inhalation:** May cause respiratory tract irritation.

**Chronic:** Laboratory experiments have resulted in mutagenic effects. Organ weight and blood changes reported in 30 day oral rat study with intermittent dosing at 55.2

### Section 4 - First Aid Measures

**Eyes:** In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid.

**Skin:** In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** Use extinguishing media most appropriate for the surrounding fire.

**Flash Point:** 116 deg C ( 240.80 deg F)

**Autoignition Temperature:** 225 deg C ( 437.00 deg F)

**Explosion Limits, Lower:**1.4 vol %

**Upper:** 5.3 vol %

**NFPA Rating:** (estimated) Health: 1; Flammability: 1; Instability: 0

## 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. Clean up spills immediately, observing precautions in the Protective Equipment section.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist.

**Storage:** Do not store in direct sunlight. Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Storage under a nitrogen blanket has been recommended.

## Section 8 - Exposure Controls, Personal Protection

**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

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

**OSHA Vacated PELs:** p-Anisaldehyde: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment

**Eyes:** Wear chemical splash goggles.

**Skin:** Wear appropriate protective gloves and clothing 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

**Appearance:** colorless to slight yellow

**Odor:** sweetish odor

**pH:** Not available.

**Vapor Pressure:** 3.29E-002 mm Hg @ 25 deg C

**Vapor Density:** 4.7 (air=1)

**Evaporation Rate:**Not available.

**Viscosity:** Not available.

**Boiling Point:** 248 - 249 deg C @ 760mmHg

**Freezing/Melting Point:**-1 deg C

**Decomposition Temperature:** > 160 deg C

**Solubility:** Insoluble.

**Specific Gravity/Density:** 1.1190g/cm<sup>3</sup>

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

**Molecular Weight:** 136.15

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Prolonged exposure to air.

**Incompatibilities with Other Materials:** Strong bases, strong oxidizing agents, strong reducing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Has not been reported.

## Section 11 - Toxicological Information

**RTECS#:**

**CAS#** 123-11-5: BZ2625000

**LD50/LC50:**

CAS# 123-11-5:

Draize test, rabbit, skin: 500 mg/24H Moderate;

Oral, mouse: LD50 = 1859 mg/kg;

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:**

CAS# 123-11-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No information available.

**Teratogenicity:** No information available.

**Reproductive Effects:** No information available.

**Mutagenicity:** Sister Chromatid Exchange: Human lymphocyte = 1 mmol/L.; DNA damage: Mouse lymphocyte = 7020 umol/L.; Mutationin Mammalian Somatic Cells: Mouse lymphocyte = 3540 umol/L.

**Neurotoxicity:** No information available.

**Other Studies:**

## Section 12 - Ecological Information

No information available.

## Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## Section 14 - Transport Information

	US DOT	Canada TDG
<b>Shipping Name:</b>	Not Regulated	Not Regulated
<b>Hazard Class:</b>		
<b>UN Number:</b>		
<b>Packing Group:</b>		

**Section 15 - Regulatory Information**

**US FEDERAL**

**TSCA**

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

**Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b**

None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

**CERCLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

**SARA Section 302 Extremely Hazardous Substances**

None of the chemicals in this product have a TPO.

**SARA Codes**

CAS # 123-11-5: immediate, delayed.

**Section 313** No chemicals are reportable under Section 313.

**Clean Air Act:**

- This material does not contain any hazardous air pollutants.
- This material does not contain any Class 1 Ozone depleters.
- This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:**

- None of the chemicals in this product are listed as Hazardous Substances under the CWA.
- None of the chemicals in this product are listed as Priority Pollutants under the CWA.
- None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 123-11-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations**

**European Labeling in Accordance with EC Directives**

**Hazard Symbols:**

XN

**Risk Phrases:**

R 22 Harmful if swallowed.

**Safety Phrases:**

S 24 Avoid contact with skin.

**WGK (Water Danger/Protection)**

CAS# 123-11-5: 1

**Canada - DSL/NDSL**

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

**Canada - WHMIS**

This product has a WHMIS classification of 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.

**Canadian Ingredient Disclosure List**

CAS# 123-11-5 is listed on the Canadian Ingredient Disclosure List.

**Section 16 - Additional Information**

**MSDS Creation Date:** 12/12/1997

**Revision #5 Date:** 4/03/2006

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