

p-ANISALDEHYDE

Material Safety Data Sheet

Mallinckrodt Chemical Inc.

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Emergency Telephone Number
314-539-1600

Effective Date: 10-30-92 Supersedes 01-06-87

PRODUCT IDENTIFICATION:

Synonyms: Benzaldehyde, 4-methoxy-; 4-methoxybenzaldehyde; p-anisaldehyde 98%

Formula CAS No.: 123-11-5

Molecular Weight: 136.15

Hazardous Ingredients: p-Anisaldehyde.

Chemical Formula: C8H8O2

PRECAUTIONARY MEASURES

WARNING! MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION TO SKIN AND EYES.

Do not breathe vapor.

Avoid contact with eyes, skin and clothing.

Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

EMERGENCY FIRST AID

In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. In case of contact, immediately flush skin with plenty of water for at least 15 minutes. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, call a physician immediately.
SEE SECTION 5.

Physical Data

SECTION 1

Appearance: Pale yellow liquid.

Odor: Characteristic hawthorn odor.

Solubility: Insoluble in water.

Boiling Point: 248 C (478 F)

Vapor Density (Air=1): 4.7

Melting Point: -1 C (30 F)

Vapor Pressure (mm Hg): 1 @ 73 C

Specific Gravity: 1.119

Evaporation Rate: No information found.

Fire and Explosion

SECTION 2

Information-----
Fire:

As with most organic substances, fire is possible at elevated temperatures or by contact with an ignition source. Flash point: 121 C

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Reactivity Data

SECTION 3

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Strong bases, strong oxidizing and reducing agents.

Leak/Spill Disposal Information

SECTION 4

Ventilate area of leak or spill. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Contain and recover liquid when possible. Collect as hazardous waste and atomize in a suitable RCRA approved combustion chamber, or absorb with vermiculite, dry sand, earth or similar material for disposal as hazardous waste in a RCRA approved facility. Do not flush to sewer!

Ensure compliance with local, state and federal regulations.

Health Hazard Information

SECTION 5

A. Exposure/Health Effects

The human health effects from exposure to this substance are not known.

Inhalation:

No information found, but compound should be handled as a potential health hazard.

Ingestion:

No information found, but compound should be handled as a potential health hazard.

Skin Contact:

May cause irritation. May be absorbed through the skin.

Eye Contact:

May cause irritation.

Chronic Exposure:

No information found, but compound should be handled as a potential health hazard.

Aggravation of

Pre-existing Conditions: No information found.

B. FIRST AID

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion:

If swallowed, call a physician immediately.

Skin Exposure:

Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Eye Exposure: Wash eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

F. TOXICITY

(RTECS, 1992)

Oral rat LD50: 1510 mg/kg; skin rabbit LD50: > 5 gm/kg; irritation skin rabbit: 500 mg/24H moderate; investigated as a mutagen.

Occupational Control Measures

SECTION 6

Airborne Exposure Limits: None established.

Ventilation System:

A local exhaust system which captures the contaminant at its source is recommended to prevent dispersion of the contaminant into the workroom air.

Personal Respirators
(NIOSH Approved)

For conditions of use where exposure to the vapor is apparent, a half mask chemical cartridge respirator may be worn. For emergencies, a self-contained breathing apparatus may be necessary.

Skin Protection:

Wear protective gloves and clean body-covering clothing.

Eye Protection:

Use chemical safety goggles. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.

Storage and Special Information

SECTION 7

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances.

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Addendum to Material Safety Data Sheet

REGULATORY STATUS

Hazard Categories for SARA
Section 311/312 Reporting

Acute	Chronic	Fire	Pressure	Reactive
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X				

SARA Sec. 313

Chemicals

Product or Components
of Product:

SARA EHS
Sec. 302
RQ TPQ

Name Chemical
List Category

CERCLA RCRA
Sec. 103 Sec.
RQ lbs 261.33

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SARA Section 302 EHS RQ:

Reportable Quantity of Extremely Hazardous Substance, listed at 40 CFR 355.

SARA Section 302 EHS TPQ:

Threshold Planning Quantity of Extremely Hazardous substance. An asterisk (*) following a Threshold Planning Quantity signifies that if the material is a solid and has a particle size equal to or larger than 100 micrometers, the Threshold Planning Quantity = 10,000 LBS.

SARA Section 313 Chemicals:

Toxic Substances subject to annual release reporting requirements listed at 40 CFR 372.65.

CERCLA Sec. 103:

Comprehensive Environmental Response, Compensation and Liability Act (Superfund) Releases to air, land or water of these hazardous substances which exceed the Reportable Quantity (RQ) must be reported to the National Response Center, (800-424-8802); Listed at 40 CFR 302.4

RCRA:

Resource Conservation and Recovery Act. Commercial chemical product wastes designated as acute hazards and toxic under 40 CFR 261.33

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