Material Safety Data Sheet

Section 1 - Product and Company Information

Product Name: METHOXYPHENOL
Product Number: M1501
Brand: Sigma-Aldrich
Company: Sigma-Aldrich Chemical
Street Address: 3500 Spruce Street
City, State, Zip, Country: SAINT LOUIS, MO 63103 US
Technical Phone: 314 771 5765
Fax: 800 325 5052
Emergency Phone: 414 273 3850 Ext. 5996

Section 2 - Composition/Information on Ingredient

Substance Name: METHOXYPHENOL
CAS #: 72-43-3
SARA 313: Yes
EC No.: 200-779-9

Section 3 - Hazards Identification

Emergency Overview

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Immediate Treatment - Work Site
In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A
Extinguishing Media: Suitable
Water spray. Carbon dioxide, dry chemical powder, or appropriate barn.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Section 7 - Handling and Storage

Handling
User Exposure: Avoid Inhalation. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

Storage
Suitable: Keep tightly closed. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

Engineering Controls
Use only in a chemical fume hood. Safety shower and eye bath.

Personal Protective Equipment
Other
Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

General Hygiene Measures
Wash thoroughly after handling. Wash contaminated clothing before reuse.

Sigma Chemical - M1501
Sigma-Aldrich Corporation
www.sigma-aldrich.com
Section 11 - Toxicological Information

Route of Exposure
Multiple Routes
Harmful if swallowed, inhaled, or absorbed through skin. May cause irritation.

Target Organ(s) or System(s)
Central nervous system. Kidneys.

RTECS Number: KJ3675000

Toxicity Data

Oral - Human: 6490 mg/kg (LD50)
Oral - Rat: 1155 mg/kg (LD50)
Remarks: Behavioral;Convolusions or effect on seizure threshold.
Behavioral:Excitement.
Behavioral:Ataxia.
Skin - Rat: > 6000 mg/kg (LD50)
Oral - Mouse: 510 mg/kg (LD50)
Remarks: Behavioral;Convolusions or effect on seizure threshold.
Behavioral:Excitement.
Behavioral:Ataxia.
Oral - Rabbit: > 6000 mg/kg (LD50)
Skin - Rabbit: > 6000 mg/kg (LD50)
Intraperitoneal - Hamster: 500 mg/kg (LD50)
Oral - Duck: > 2000 mg/kg (LD50)

Chronic Exposure - Carcinogen

Rat - Oral: 18200 mg/kg 2Y C

Mouse - Oral: 66700 mg/kg 90W C

Dog - Oral: 3836 GM/KG 3Y C
Result: Tumorigenic:Carcinogenic by RTECS criteria. Liver:Tumors.

Rat - Oral: 41 GM/KG 2Y C
Result: Tumorigenic:Carcinogenic by RTECS criteria. Liver:Multiple effects. Lungs, Thorax, or Respiration:Other changes.

Mouse - Oral: 6262 GM/KG 2Y C
Result: Tumorigenic:Carcinogenic by RTECS criteria. Liver:Tumors.

Rat - Oral: 80 GM/KG 2Y C

Rat - Oral: 72900 GM/KG 2Y C
Result: Tumorigenic:Carcinogenic by RTECS criteria. Liver:Tumors.

Rat - Oral: 87360 GM/KG 2Y C
Result: Tumorigenic:Carcinogenic by RTECS criteria. Liver:Tumors.

Rat - Oral: 10920 GM/KG 1Y C

Rat - Oral: 45920 GM/KG 1Y C

IARC Carcinogen List
Rating
Group 3
Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
Proper Shipping Name: Toxic solids, organic, n.o.s.
UN No.: 2811
Class: 6.1
Packaging Group: Packing Group III
Hazard Label: Toxic substances.
Harmful: Not P.I.H.
IATA
Proper Shipping Name: Toxic solid, organic, n.o.s.
IATA UN Number: 2811
Hazard Class: 6.1
Packaging Group: II

Section 15 - Regulatory Information

EU Additional Classification
Symbol of Danger: Xn
Indication of Danger
Harmful.
Risk Statements
R: 20/21/22 40
Harmful by inhalation, In contact with skin and if swallowed. Limited evidence of a carcinogenic effect.
Safety Statements
S: 7 23 36/37/39 45
Keep container tightly closed. Do not breathe fumes. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

US Classification and Label Text
Indication of Danger
Harmful.
Risk Statements
Harmful by inhalation, in contact with skin and if swallowed. Limited evidence of a carcinogenic effect.
Safety Statements
Keep container tightly closed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Do not breathe fumes. Wear suitable protective clothing, gloves, and eye/face protection.

US Statements
Possible mutagen. Reproductive hazard. Target organ(s): Nerves. Kidneys.

United States Regulatory Information
SARA Listed: Yes
Notes: This product is subject to SARA section 313 reporting requirements.

Canada Regulatory Information
WHMIS Classification
This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DCL: Yes
NDSL: No
Section 16 - Other Information

Disclaimer
For R&D use only. Not for drug, household or other uses.

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2005 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.