



Material Safety Data Sheet

m-Cresol

MSDS# 40358

Section 1 - Chemical Product and Company Identification

MSDS Name: m-Cresol
Catalog Numbers: AC110570000, AC110570005, AC110570050, AC110571000, AC110572500, AC110580000, AC110580000, AC110580010, AC110580040, AC110580250, AC110585000, AC325780000, AC325780000, AC325781000, AC325785000
Synonyms: 3-Methylphenol; 3-Hydroxytoluene.

Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium

Company Identification: (USA) Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01

For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99

Emergency Number US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300

CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 108-39-4
Chemical Name: m-Cresol
%: 99+
EINECS#: 203-577-9

Hazard Symbols: T



Risk Phrases: 24/25 34

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! Causes burns by all exposure routes. Toxic if swallowed. Toxic if absorbed through the skin. Combustible liquid and vapor. Target Organs: Kidneys, central nervous system, liver, respiratory system, gastrointestinal system, eyes, skin.

Potential Health Effects

Eye: Causes eye burns. May result in corneal injury.

Skin: Causes skin burns. May cause dermatitis. Toxic in contact with skin.

Ingestion: Causes severe digestive tract burns with abdominal pain, vomiting, and possible death. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. Toxic if swallowed.

Inhalation: Irritation may lead to chemical pneumonitis and pulmonary edema. Causes chemical burns to the respiratory tract. May be harmful if inhaled.

Chronic: Prolonged or repeated skin contact may cause dermatitis. May cause liver and kidney damage. Repeated exposure may cause central nervous system damage. Adverse reproductive effects have been reported in animals. Laboratory experiments have resulted in mutagenic effects. Animal studies have reported the development of tumors.

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 immediately.

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

Ingestion: Possible aspiration hazard. POISON material. If swallowed, get medical aid immediately. Only induce vomiting if directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. 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. Will burn if involved in a fire. Containers may explode in the heat of a fire. Combustible liquid and vapor.

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

Autoignition Temperature: 558 deg C (1,036.40 deg F)

Flash Point: 86 deg C (186.80 deg F)

Explosion Limits: 1 vol %
Lower:

Explosion Limits: Not available
Upper:

NFPA Rating: health: 3; flammability: 2; 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. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Remove all sources of ignition. Use a spark-proof tool. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from heat, sparks and flame. Do not ingest or inhale. Use only in a chemical fume hood.

Storage: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Corrosives area. Store protected from light and air.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
m-Cresol	15 ppm; Skin - potential significant contribution to overall exposure by the cutaneous route	2.3 ppm TWA; 10 mg/m ³ TWA 250 ppm IDLH	15 ppm TWA; 22 mg/m ³ TWA (listed under Cresol).

OSHA Vacated PELs: m-Cresol: 5 ppm TWA; 22 mg/m³ TWA (listed under Cresol)

Engineering Controls:

Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

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 light amber

Odor: phenol-like

pH: 5 (20 g/L aq.sol.)

Vapor Pressure: 0.05 mbar @ 20 deg C

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 203 deg C @ 760 mmHg (397.40°F)

Freezing/Melting Point: 8 - 10 deg C

Decomposition Temperature: Not available

Solubility in water: 20 g/L @ 20°C

Specific Gravity/Density: 1.030

Molecular Formula: C₇H₈O

Molecular Weight: 108.14

Section 10 - Stability and Reactivity

Chemical Stability: Darkens on exposure to light and air. Air sensitive. Light sensitive.

Conditions to Avoid: Incompatible materials, light, ignition sources, exposure to air, excess heat.

Incompatibilities with Other Materials: Strong oxidizing agents, bases, nitric acid, acid anhydrides, chlorosulfonic acid, oleum, chloroformates.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 108-39-4: GO6125000

RTECS:

CAS# 108-39-4: Draize test, rabbit, eye: 103 mg Severe;

Draize test, rabbit, skin: 517 mg/24H Severe;

Inhalation, rat: LC50 = >710 mg/m³/1H;

Inhalation, rat: LC50 = 58 mg/m³;

Oral, mouse: LD50 = 828 mg/kg;

Oral, mouse: LD50 = 600 mg/kg;

Oral, rabbit: LD50 = 1400 mg/kg;

LD50/LC50: Oral, rat: LD50 = 242 mg/kg;

Oral, rat: LD50 = 825 mg/kg;

Oral, rat: LD50 = 242 mg/kg;

Skin, rabbit: LD50 = 2050 mg/kg;

Skin, rabbit: LD50 = 620 mg/kg;

Skin, rat: LD50 = 1100 mg/kg;

Skin, rat: LD50 = 1000 mg/kg;

Carcinogenicity: m-Cresol - 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

Other: Do not empty into drains.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

US DOT

Shipping Name: CRESOLS, LIQUID

Hazard Class: 6.1

UN Number: UN2076

Packing Group: II

Canada TDG

Shipping Name: CRESOLS, LIQUID

Hazard Class: 6.108

UN Number: UN2076

Packing Group: II

USA RQ: CAS# 108-39-4: 100 lb final RQ; 45.4 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T

Risk Phrases:

R 24/25 Toxic in contact with skin and if swallowed.

R 34 Causes burns.

Safety Phrases:

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 108-39-4: 2

Canada

CAS# 108-39-4 is listed on Canada's DSL List

Canadian WHMIS Classifications: B3, D1B, E

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# 108-39-4 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 108-39-4 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 1/08/1998

Revision #11 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.
