

# Material Safety Data Sheet

## 3,5-Dimethylphenol, 98%

ACC# 97251

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** 3,5-Dimethylphenol, 98%

**Catalog Numbers:** AC116600000, AC116600050, AC116602500

**Synonyms:** 3,5-Xylenol; 1-hydroxy-3,5-dimethylbenzene;phenol;3,5-DMP;3,5-xylenol.

**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
108-68-9	3,5-Dimethylphenol	98	203-606-5

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

**Appearance:** white solid.

**Caution!** Causes eye and skin irritation and possible burns. May cause respiratory and digestive tract irritation. May be harmful if swallowed. May cause kidney damage.

**Target Organs:** Kidneys.

#### Potential Health Effects

**Eye:** Causes eye irritation. May cause eye burns.

**Skin:** Causes skin irritation. May cause skin burns.

**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed. A case of fatal xylenol ingestion by a long stay mental hospital patient is described. Clinical course was similar to that observed in other phenolic poisonings with active bowel sounds, nausea, vomiting, severe metabolic acidosis, hypotension, and cardiac and renal failure.

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

**Chronic:** Chronic ingestion may cause effects similar to those of acute ingestion.

### 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:** Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:** Remove from exposure and move to fresh air immediately. 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.

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

**Flash Point:** 109 deg C ( 228.20 deg F)

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** Not published.

### Section 6 - Accidental Release Measures

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

**Spills/Leaks:** Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
3,5-Dimethylphenol	none listed	none listed	none listed

**OSHA Vacated PELs:** 3,5-Dimethylphenol: No OSHA Vacated PELs are listed for this chemical.

**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:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Appearance:** white

**Odor:** Phenolic odor.

**pH:** Not available.

**Vapor Pressure:** 1 mm Hg @62C

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** 2.5cP 80C

**Boiling Point:** 219.5 deg C

**Freezing/Melting Point:** 63-65C

**Decomposition Temperature:** Not available.

**Solubility:** 4.8g/L

**Specific Gravity/Density:** 0.9860

**Molecular Formula:** C8H10O

**Molecular Weight:** 122.17

## Section 10 - Stability and Reactivity

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

**Conditions to Avoid:** Incompatible materials.

**Incompatibilities with Other Materials:** Bases - acid chlorides - acid anhydrides - oxidizing agents - corrodes steel - brass - copper - copper alloys.

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

**Hazardous Polymerization:** Will not occur.

## Section 11 - Toxicological Information

**RTECS#:**

**CAS#** 108-68-9: ZE6475000

**LD50/LC50:**

**CAS#** 108-68-9:

Draize test, rabbit, eye: 250 ug Severe;  
Oral, mouse: LD50 = 477 mg/kg;  
Oral, mouse: LD50 = 477000 mg/m3;  
Oral, rabbit: LD50 = 1313 mg/kg;  
Oral, rabbit: LD50 = 1313000 mg/m3;  
Oral, rat: LD50 = 608 mg/kg;  
Oral, rat: LD50 = 608000 mg/m3;

**Carcinogenicity:**

CAS# 108-68-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No data available.

**Teratogenicity:** No data available.

**Reproductive Effects:** No data available.

**Mutagenicity:** No data available.

**Neurotoxicity:** No data available.

**Other Studies:****Section 12 - Ecological Information****Ecotoxicity:** No data available. cfr. DOSE**Environmental:** No information available.**Physical:** No information available.**Other:** 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**

	<b>US DOT</b>	<b>Canada TDG</b>
<b>Shipping Name:</b>	XYLENOLS, SOLID	No information available.
<b>Hazard Class:</b>	6.1	
<b>UN Number:</b>	UN2261	
<b>Packing Group:</b>	II	

**Section 15 - Regulatory Information****US FEDERAL****TSCA**

CAS# 108-68-9 is listed on the TSCA inventory.

**Health & Safety Reporting List**

None of the chemicals are on the Health &amp; 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 TPQ.

**SARA Codes**

CAS # 108-68-9: immediate.

**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# 108-68-9 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 2 Keep out of reach of children.

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

S 28A After contact with skin, wash immediately with plenty of water

**WGK (Water Danger/Protection)**

CAS# 108-68-9: 2

**Canada - DSL/NDSL**

CAS# 108-68-9 is listed on Canada's DSL List.

**Canada - WHMIS**

not available.

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**

## Section 16 - Additional Information

**MSDS Creation Date:** 9/02/1997**Revision #3 Date:** 10/03/2005

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