

# JAY ORGANICS

Plot no.-456, Phase-II, G.I.D.C., Vatva, Ahmedabad, INDIA-382445.

## MATERIAL SAFETY DATA SHEET

---

### 1. CHEMICAL PRODUCT

---

**Product Name:** Meta Amino Phenol

**CAS :** 591-27-5

**CI:** Not available.

**EC-No. :** 209-711-2

**Index-No. :** 612-127-00-4

**Synonym:** m-Aminophenol; m-Hydroxyaniline; 3-Amino-1-hydroxybenzene

**Chemical Name:** 3-Aminophenol

**Chemical Formula:** C<sub>6</sub>H<sub>7</sub>NO

**Molecular Weight:** 109.16

---

### 2. COMPOSITION AND INFORMATION ON INGREDIENTS

---

**Composition:**

**Name:** 3-Aminophenol (Meta Amino Phenol)

**CAS:** 591-27-5

**Purity (Organic):** 99.0%

**Toxicological Data on Ingredients:** 3-Aminophenol: ORAL (LD50): Acute: 924 mg/kg [Rat]. 401 mg/kg [Mouse].

---

### 3. HAZARDS IDENTIFICATION

---

**Potential Acute Health Effects:** Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

**Potential Chronic Health Effects:**

**Carcinogenic Effects:** Not available.

**Mutagenic Effects:**

Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.

**Teratogenic Effects:** Not available. **DEVELOPMENTAL TOXICITY:** Classified Reproductive system/toxin/female [POSSIBLE]. Repeated or prolonged exposure is not known to aggravate medical condition.

---

#### 4. FIRST AID MEASURES

---

**Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

**Skin Contact :**

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Serious Skin Contact :**

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

**Inhalation :**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation :**

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

**Ingestion :**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:**

Not available.

---

## 5. FIRE AND EXPLOSION DATA

---

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** CLOSED CUP: 155°C (311°F).

**Flammable Limits:** Not available.

**Products of Combustion:**

These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...).

**Fire Hazards in Presence of Various Substances:**

Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:**

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Not available.

**Special Remarks on Explosion Hazards:** Not available.

---

## 6. ACCIDENTAL RELEASE MEASURES

---

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container.

---

## 7. HANDLING AND STORAGE

---

**Precautions:**

Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice

immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 23°C (73.4°F).

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### **Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### **Personal Protection:**

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

### **Personal Protection in Case of a Large Spill:**

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits:** Not available.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

**Physical state and appearance:** Solid. (Crystals solid.)

**Odor:** Odorless.

**Taste:** Not available.

**Molecular Weight:** 109.13 g/mole

**Color:** White. Off-white.

**pH (1% soln/water):** Not available.

**Boiling Point:** 164°C (327.2°F)

**Melting Point:** 122.5°C (252.5°F)

**Critical Temperature:** Not available.

**Specific Gravity:** Not available.

**Vapor Pressure:** Not applicable.

**Vapor Density:** Not available.

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** See solubility in water, diethyl ether.

**Solubility:** Soluble in hot water, diethyl ether. Partially soluble in cold water.

---

## 10. STABILITY AND REACTIVITY DATA

---

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Excess heat, incompatible materials.

**Incompatibility with various substances:** Reactive with oxidizing agents, acids.

**Corrosivity:** Not available.

**Special Remarks on Reactivity:** Incompatible with acids, acid chlorides, acid anhydrides, chloroformates, strong oxidizing agents.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

---

## 11. TOXICOLOGICAL INFORMATION

---

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:** Acute oral toxicity (LD50): 401 mg/kg [Mouse].

**Chronic Effects on Humans:**

**Mutagenic Effects:**

Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.

**Developmental Toxicity:** Classified Reproductive system/toxin/female [POSSIBLE].

**Other Toxic Effects on Humans:** Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:**

May cause adverse reproductive effects (fertility and fetotoxicity). May affect genetic material.

**Special Remarks on other Toxic Effects on Humans:**

Acute Potential Health Effects: Skin: Causes skin irritation. Eyes: Causes eye irritation. Inhalation: Dust may cause irritation of the respiratory tract. May affect behavior and nervous system. Ingestion: May cause irritation of the digestive (gastrointestinal) tract with nausea, vomiting and diarrhea. Chronic Potential Health Effects: May cause adverse reproductive effects. The toxicological properties of this substance have not been fully investigated.

---

## 12. ECOLOGICAL INFORMATION

---

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The products of degradation are less toxic than the product itself.

**Special Remarks on the Products of Biodegradation:** Not available.

---

### 13. DISPOSAL CONSIDERATIONS

---

**Waste Disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

---

### 14. TRANSPORT INFORMATION

---

**UN number**

ADR/RID: 2512

IMDG: 2512

IATA: 2512

**UN proper shipping name**

ADR/RID: AMINOPHENOLS

IMDG: AMINOPHENOLS

IATA: Aminophenols Sigma-Aldrich - 36684

**Transport hazard class(es)**

ADR/RID: 6.1

IMDG: 6.1

IATA: 6.1

**Packaging group**

ADR/RID: III

IMDG: III

IATA: III

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**Special precautions for user**

No data available

---

### 15. OTHER REGULATORY INFORMATION

---

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical safety assessment**

For this product a chemical safety assessment was not carried out

---

## 16. OTHER INFORMATION

---

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 Jay Organics 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 Jay Organics has been advised of the possibility of such damages.