# MATERIAL SAFETY DATA SHEET

#### **Section 1 - Chemical Product and Company Identification**

**MSDS Name:** 3-Diethylaminophenol, granulated, 99%

Catalog AC146630000, AC146630050, AC146631000, AC146635000

Numbers:

**Synonyms:** N,N-Diethyl-3-aminophenol; Phenol, m-(diethylamino)-; m-(Diethylamino)phenol;

Phenol, 3-(diethylamino)-

Company Identification: Acros Organics BVBA

Janssen Pharmaceuticalaan 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

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CAS#: 91-68-9

Chemical Name: 3-Diethylaminophenol, granulated

%: 99

EINECS#: 202-090-9

Hazard Symbols: T



Risk Phrases: 25

#### **Section 3 - Hazards Identification**

#### **EMERGENCY OVERVIEW**

Caution! The toxicological properties of this material have not been fully investigated. Harmful if swallowed. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Target Organs: None known.

#### **Potential Health Effects**

**Eye:** May cause eye irritation. **Skin:** May cause skin irritation.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract. The toxicological properties

of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not

been fully investigated.

Chronic: Prolonged exposure can cause damage to the eyes, severe irritation or burns.

#### **Section 4 - First Aid Measures**

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing

contaminated clothing and shoes. Wash clothing before reuse.

**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.

Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give

oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as

a bag and a mask.

Notes to Physician:

#### **Section 5 - Fire Fighting Measures**

**General**As in any fire, wear a self-contained breathing apparatus in pressure-demand, **Information:**MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire,

irritating and highly toxic gases may be generated by thermal decomposition or

combustion.

**Extinguishing** Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon

Media:

dioxide, or appropriate foam.

**Autoignition** Not applicable. **Temperature:** 

Flash Point: 141 deg C ( 285.80 deg F)

Explosion Limits: Not available

Lower:

Explosion Limits: Not available

Upper:

NFPA Rating: health: 2; flammability: 1; instability: 0;

#### Section 6 - Accidental Release Measures

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

Information:

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up

spills immediately, observing precautions in the Protective Equipment section. Avoid

generating dusty conditions. Provide ventilation.

## Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Do not breathe dust, vapor, mist, or gas. Keep container tightly closed. Avoid ingestion and

inhalation. Use only in a chemical fume hood.

Storage: Keep container closed when not in use. 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:**

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

| ++         |   |       |  |       |        |
|------------|---|-------|--|-------|--------|
|            |   | ACGIH |  | NIOSH | OSHA - |
| Final PELs |   |       |  |       |        |
|            | - |       |  |       |        |
|            |   |       |  |       |        |

| 3-Diethylaminopheno|none listed | none listed none listed | l, granulated +----+----+

OSHA Vacated PELs: 3-Diethylaminophenol, granulated: None listed

**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: Pellets Color: purple **Odor:** Malodorous pH: Not available

Vapor Pressure: Not available Vapor Density: Not available **Evaporation Rate:** Not available Viscosity: Not available

**Boiling Point:** 170 deg C @ 15.00mm Hg ( 338.00°F)

Freezing/Melting Point: 70 - 73 deg C **Decomposition Temperature:** Not available Solubility in water: insoluble in ligroin

Specific Gravity/Density:

Molecular Formula: C10H15NO Molecular Weight: 165.23

#### Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures. **Conditions to Avoid:** Incompatible materials, dust generation, excess heat.

Incompatibilities with Other

**Materials** 

Strong oxidizing agents, strong bases.

**Hazardous Decomposition Products** 

Nitrogen oxides, carbon monoxide, irritating and toxic fumes and

gases, carbon dioxide.

Has not been reported. **Hazardous Polymerization** 

#### Section 11 - Toxicological Information

RTECS#: CAS# 91-68-9: SL0550500

LD50/LC50: RTECS: Not available. Other: CAS# 109-89-7: Oral, rat: LD50 = 540 mg/kg. The

toxicity of this product is partially based on the hazards associated with Diethylamine

(CAS#

Carcinogenicity: 3-Diethylaminophenol, granulated - Not listed as a carcinogen by ACGIH, IARC, NTP,

or CA Prop 65.

Not available Epidemiology: Teratogenicity: Not available Reproductive: Not available Neurotoxicity: Not available Mutagenicity: Not available

Other: The hazards associated with diethylamine may be seen in this product.

## Section 12 - Ecological Information

Not 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**

**US DOT** 

Shipping Name: TOXIC SOLIDS, ORGANIC, N.O.S.

Hazard Class: 6.1 UN Number: UN2811 Packing Group: III Canada TDG

Shipping Name: Not available

Hazard Class: UN Number: Packing Group:

## **Section 15 - Regulatory Information**

#### **US Federal**

**TSCA** 

CAS# 91-68-9 is listed on the TSCA Inventory.

Health & Safety Reporting List Chemical Test Rules None of the chemicals are on the Health & Safety Reporting List.

12h None of

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b
TSCA Significant New

None of the chemicals are listed under TSCA Section 12b.

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.

None of the chemicals in this product have a TPQ.

SARA Section 302 Extremely Hazardous Substances

Section 313 Clean Air Act: No chemicals are reportable under Section 313.

This material does not contain any hazardous air pollutants. This material

does not contain any Class 1 Ozone depletors. This material does not

contain any Class 2 Ozone depletors.

**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:

**STATE** 3-Diethylaminophenol, granulated is not present on state lists from CA, PA,

MN. MA. FL. or NJ.

California Prop 65

California No Significant None of the chemicals in this product are listed.

Risk Level:

#### **European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols: T Risk Phrases:

R 25 Toxic if swallowed.

## Safety Phrases:

S 22 Do not breathe dust.

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# 91-68-9: 2

#### Canada

CAS# 91-68-9 is listed on Canada's NDSL List Canadian WHMIS Classifications: 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.

CAS# 91-68-9 is not listed on Canada's Ingredient Disclosure List.

## **Section 16 - Other Information**

MSDS Creation Date: 3/19/1999 Revision #3 Date 10/03/2005

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility 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.