Material Safety Data Sheet
2-Aminobenzimidazole

MSDS# 96236

Section 1 - Chemical Product and Company Identification

MSDS Name: 2-Aminobenzimidazole
Catalog Numbers: AC174020000, AC174020050, AC174020250, AC174021000, BTB12099DA, BTB12099EA, BTB12099ZZ
Synonyms: 1H-Benzimidazol-2-amine

Company Identification:
Acros Organics BVBA
Janssen Pharmaceuticaaln 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#: 934-32-7
Chemical Name: 2-Aminobenzimidazole
%
99+%
EINECS#: 213-280-6

Hazard Symbols: XN
Risk Phrases: 22 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Not available Target Organs: None, respiratory system, gastrointestinal system, eyes, skin.

Potential Health Effects
Eye: Causes eye irritation.
Skin: Causes skin irritation.
Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.
Inhalation: Causes respiratory tract irritation.
Chronic:

Section 4 - First Aid Measures

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

Ingestion: Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.

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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray, dry chemical, carbon dioxide, or chemical foam.

Autoignition Temperature: Not available
Flash Point: Not available
Explosion Limits: Not available
Explosion Limits: Not available
NFPA Rating: health: 1; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

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

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. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing dust, Handling: mist, or vapor. Avoid contact with eyes, skin, and clothing. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place. Keep container closed when not in use. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

OSHA Vacated PELs: 2-Aminobenzimidazole: None listed

Engineering Controls:
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits

Personal Protective Equipment

Eyes: Wear chemical splash goggles. Wear safety glasses and chemical goggles if splashing is possible.

Skin: Wear appropriate protective gloves and clothing to prevent skin exposure. Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin. Wear appropriate protective clothing to prevent skin exposure.
Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. 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:** Flakes
- **Color:** light cream - light yellow
- **Odor:** Not available
- **pH:** Not available
- **Vapor Pressure:** Not available
- **Vapor Density:** Not available
- **Evaporation Rate:** Not available
- **Viscosity:** Not available
- **Boiling Point:** Not available
- **Freezing/Melting Point:** 228 - 232 deg C
- **Decomposition Temperature:** Not available
- **Solubility in water:** Not available
- **Specific Gravity/Density:** Not available
- **Molecular Formula:** C7H7N3
- **Molecular Weight:** 133.15

Section 10 - Stability and Reactivity

- **Chemical Stability:** Stable under normal temperatures and pressures.
- **Conditions to Avoid:** Incompatible materials.
- **Incompatibilities with Other Materials:** Not available
- **Hazardous Decomposition Products:** Carbon monoxide, oxides of nitrogen, oxides of nitrogen, carbon dioxide.
- **Hazardous Polymerization:** Has not been reported.

Section 11 - Toxicological Information

- **RTECS#:** CAS# 934-32-7: DD5775000
- **LD50/LC50:** RTECS: Not available.
- **Carcinogenicity:** 2-Aminobenzimidazole - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
- **Other:** The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

- **Other:** No information available.

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

- **US DOT**
  - **Shipping Name:** Not available
  - **Hazard Class:** Not available
  - **UN Number:** Not available
  - **Packing Group:** Not available

- **Canada TDG**
  - **Shipping Name:** Not available
  - **Hazard Class:** Not available
  - **UN Number:** Not available
  - **Packing Group:** Not available

Section 15 - Regulatory Information

- **European/International Regulations**
  - **European Labeling in Accordance with EC Directives**
Hazard Symbols: XN
Risk Phrases:
  R 22 Harmful if swallowed.
  R 36/37/38 Irritating to eyes, respiratory system and skin.
Safety Phrases:
  S 22 Do not breathe dust.
  S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

WGK (Water Danger/Protection)
CAS# 934-32-7: Not available

Canada
CAS# 934-32-7 is listed on Canada's NDSL List
Canadian WHMIS Classifications: D2A
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# 934-32-7 is not listed on Canada's Ingredient Disclosure List.

US Federal
TSCA
CAS# 934-32-7 is listed on the TSCA Inventory.

Section 16 - Other Information
MSDS Creation Date: 5/19/1999
Revision #4 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 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.

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