



Material Safety Data Sheet
N,N-Diisopropylethylamine

MSDS# 01953

Section 1 - Chemical Product and Company Identification

MSDS Name: N,N-Diisopropylethylamine

Catalog Numbers: AC115220000, AC115220250, AC115221000, AC115225000, AC367840000, AC367840010

Numbers: AC367840010, AC367840250, AC367840500, AC367841000, BP592-500

Synonyms: N-Ethyldiisopropylamine; Hünig's base; EDIPA; Ethyldiisopropylamine; DIPEA.

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#: 7087-68-5
Chemical Name: N,N-Diisopropylethylamine
%: >98
EINECS#: 230-392-0

Hazard Symbols:



Risk Phrases:

F C



11 22 34 52/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! Flammable liquid and vapor. Causes eye and skin burns. Causes digestive and respiratory tract burns. Target Organs: Eyes, skin, mucous membranes.

Potential Health Effects

Eye: Causes eye burns.

Skin: Causes skin burns.

Ingestion: Harmful if swallowed. Causes gastrointestinal tract burns.

Inhalation: Causes chemical burns to the respiratory tract.

Chronic: Chronic exposure may cause effects similar to those of acute exposure.

Section 4 - First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid

immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: If inhaled, remove to fresh air. 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. Vapors can travel to a source of ignition and flash back. Containers may explode in the heat of a fire. Liquid will float and may reignite on the surface of water. Flammable liquid and vapor. Runoff from fire control or dilution water may cause pollution.

Extinguishing Media: Water may be ineffective. Do NOT use straight streams of water. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature: 240 deg C (464.00 deg F)

Flash Point: 6 deg C (42.80 deg F)

Explosion Limits: Lower: 0.7% by vol

Explosion Limits: Upper: 6.3% by vol

NFPA Rating: health: 3; flammability: 3; instability: 0;

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. Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Do not get in eyes, on skin, or on clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Keep away from heat, sparks and flame. Do not breathe vapor or mist.

Storage: Keep away from sources of ignition. Keep container closed when not in use. Store in a tightly closed container. Flammables-area. Store in a cool, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
N,N-Diisopropylethylamine	none listed	none listed	none listed

OSHA Vacated PELs: N,N-Diisopropylethylamine: 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. Ventilation fans and other electrical service must be non-sparking and have an explosion-proof design.

Exposure Limits

Personal Protective Equipment

Eyes: Wear chemical splash goggles and face shield.

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: Liquid

Color: colorless to light yellow

Odor: amine-like

pH: Not available

Vapor Pressure: 31 mm Hg @ 37.7 deg C

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: Not available

Boiling Point: 127 deg C @ 760 mmHg (260.60°F)

Freezing/Melting Point: -50 deg C (-58.00°F)

Decomposition Temperature: Not available

Solubility in water: 3.9 g/l @ 20°C

Specific Gravity/Density: 0.760 @ 20°C

Molecular Formula: C8H19N

Molecular Weight: 129.24

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures. Amines absorb carbon dioxide from the air to form carbamate salts.

Conditions to Avoid: Light, ignition sources, moisture, prolonged exposure to air, confined spaces, Avoid aluminum, zinc, copper and their alloys..

Incompatibilities with Other Materials: Strong oxidizing agents, strong acids, aldehydes.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide, ammonia, nitriles.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 7087-68-5: None listed

LD50/LC50: RTECS: Not available. Other: LD50 (oral, rat): >200-500 mg/kg (Merck SDS dated 14.06.2004).

Carcinogenicity: N,N-Diisopropylethylamine - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 - Ecological Information

Ecotoxicity: Daphnia: Daphnia: 74.3 mg/l; 48H; EC50

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

US DOT

Shipping Name: AMINES, FLAMMABLE, CORROSIVE, N.O.S.

Hazard Class: 3

UN Number: UN2733

Packing Group: II

Canada TDG

Shipping Name: AMINES, CORROSIVE, FLAMMABLE NOS (NN DIISOPROPYLETHYLAMINE)

Hazard Class: 3

UN Number: UN2733

Packing Group: II

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: F C

Risk Phrases:

R 11 Highly flammable.

R 22 Harmful if swallowed.

R 34 Causes burns.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.

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.

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

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 7087-68-5: 2

Canada

CAS# 7087-68-5 is listed on Canada's DSL List

Canadian WHMIS Classifications: B2, 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# 7087-68-5 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 7087-68-5 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 11/11/1997

Revision #7 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.
