

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**Product Identifier**Product Name **BENZYL DIMETHYL AMINE****Other means of identification**

Product Code 3602000
CAS Number 103-83-3
Formula C₉H₁₃N
Synonyms N,N-Dimethylbenzylamine; Benzenemethanamine, N,N,- Dimethyl-
UN-No UN2619

Recommended use of the chemical and restrictions on use

Recommended Use Coatings
Uses advised against Do not use where contact with food or drinking water is possible. Avoid prolonged contact with eyes, skin, and clothing.

Details of the supplier of the safety data sheet

Supplier Address ACETO US, LLC
4 Tri Harbor Court
Port Washington, NY 11050-4661
Phone: (516) 627-6000
Fax: (516) 627-6093
Email: actylis@actylis.com

Emergency telephone number(s)

ChemTrec: 1-800-424-9300 Outside of the United States: 1-703-527-3887

2. HAZARDS IDENTIFICATION**Classification**

| | |
|---|---------------------------|
| Acute toxicity - Oral | Category 3 |
| Acute toxicity - Dermal | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Skin Corrosion/Irritation | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1 |
| Chronic aquatic toxicity | Category 3 |
| Acute aquatic toxicity | Category 3 |
| Flammable liquids | Category 3 |

Label elements**Emergency Overview****Signal Word**
DANGER**Hazard statements**
Toxic if swallowed
Harmful in contact with skin

Harmful if inhaled
 Causes severe skin burns and eye damage
 FLAMMABLE LIQUID AND VAPOR
 Harmful to aquatic life with long lasting effects

**Appearance**

Yellow

Physical State

Liquid

Odor

No information available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Wear protective gloves/protective clothing/eye protection/face protection
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof electrical/ventilating/lighting equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge

Precautionary Statements - Response

Specific treatment (see supplemental first aid instructions on this label)
 Immediately call a POISON CENTER or doctor/physician
 Specific treatment (see supplemental first aid instructions on this label)
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present .
 Immediately call a POISON CENTER or doctor/physician
 Call a POISON CENTER or doctor/physician if you feel unwell
 Wash contaminated clothing before reuse
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician if you feel unwell
 Immediately call a POISON CENTER or doctor/physician
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Rinse mouth
 Do NOT induce vomiting
 In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None known

Other Information

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms N,N-Dimethylbenzylamine; Benzenemethanamine, N,N,- Dimethyl-

Formula C9H13N

| Chemical name | CAS No. | Weight-% | North American Hazard Indicator |
|-----------------------------------|----------|----------|---------------------------------|
| Benzenemethanamine, N,N-Dimethyl- | 103-83-3 | >99 | True |
| Benzyl alcohol | 100-51-6 | >1 | False |

4. FIRST AID MEASURES

First Aid Measures

General Advice Show this safety data sheet to the doctor in attendance.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician or poison control center immediately.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Destroy contaminated shoes. Call a physician or poison control center immediately.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or poison control center immediately.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Self-Protection of the First Aider Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing.

Most important symptoms and effects, both acute and delayed

Signs and Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Water spray. Carbon dioxide (CO₂). Dry chemical. Alcohol-resistant foam.

Unsuitable Extinguishing Media No information available.

Hazardous Combustion Products Carbon oxides. Nitrogen oxides.

Explosion Data Not available

Sensitivity to mechanical impact Not available.

Sensitivity to static discharge Not available.

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

Protective Equipment and Precautions for Firefighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal Precautions**

Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Remove all sources of ignition. Take precautionary measures against static discharges. Pay attention to flashback.

Environmental Precautions

Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Methods and material for containment and cleaning up**Methods for Clean-up**

Evacuate personnel to safe areas. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Ground and bond containers when transferring material. Take precautionary measures against static discharges.

7. HANDLING AND STORAGE

Precautions for safe handling**Handling**

Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with eyes, skin and clothing. Avoid repeated exposure. Keep away from open flames, hot surfaces and sources of ignition. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.

Conditions for safe storage, including any incompatibilities**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep away from open flames, hot surfaces and sources of ignition. Keep away from direct exposure to sun. Product is sensitive to light and moisture. Sensitive to air.

Incompatible Materials

Strong oxidizing agents. Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|-----------|----------|------------|
| Benzenemethanamine, N,N-Dimethyl- 103-83-3 | - | - | - |
| Benzyl alcohol 100-51-6 | - | - | - |

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Tight sealing safety goggles. Face shield.

Skin and body protection Use suitable eye protection and gloves.

Respiratory Protection In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance Yellow
Physical State Liquid
Odor No information available
Odor Threshold Not available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|------------------------------|-------------------------|
| pH | 10 | |
| Melting point / Freezing point | -75°C | Literary Reference |
| Boiling point / boiling range | 183 - 184 °C | |
| Flash Point | 53 °C | CC (closed cup) |
| Evaporation Rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limit in Air | No information available | |
| Upper flammability limit | No information available | |
| Lower flammability limit | Not available | |
| Vapor Pressure | No information available | |
| Vapor Density | Not available | |
| Specific Gravity | 0.9 g/cm ³ @ 25°C | |
| Water Solubility | Soluble | |
| Solubility in other solvents | No information available | |
| Partition coefficient: n-octanol/water | 1.87 | |
| Autoignition temperature °C | No Data Available | Estimated |
| Decomposition temperature | No Data Available | |
| Kinematic Viscosity | No information available | |
| Dynamic Viscosity | Not available | |
| Explosive Properties | No information available | |
| Oxidizing Properties | No information available | |

Other Information

Softening Point No information available
Molecular Weight 135.21
VOC content This product contains VOCs
Liquid Density No information available
Bulk density No information available
Corrosion characteristics No information available

10. STABILITY AND REACTIVITY

Reactivity Not applicable.

| | |
|---|---|
| Chemical Stability | Stable under recommended storage conditions |
| Hazardous Polymerization | None under normal processing |
| Conditions to Avoid | Heat, flames and sparks. |
| Incompatible Materials | Strong oxidizing agents. Acids. |
| Hazardous Decomposition Products | Carbon monoxide. Carbon dioxide (CO ₂). Nitrogen oxides (NO _x). |
| Possibility of Hazardous Reactions | None under normal processing |

11. TOXICOLOGICAL INFORMATION

Product Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--------------------------------------|----------------------|-------------------------|------------------------|
| Benzenemethanamine, N,N-Dimethyl- | = 265 mg/kg (Rat) | = 1660 mg/kg (Rabbit) | - |
| Benzyl alcohol | = 1230 mg/kg (Rat) | = 2000 mg/kg (Rabbit) | = 8.8 mg/L (Rat) 4 h |

LC50 Inhalation:

The following values are calculated based on chapter 3.1 of the GHS document

Information on likely routes of exposure

| | |
|-------------------|---|
| Eyes | Avoid contact with eyes. Causes severe eye damage. |
| Skin | Harmful in contact with skin. Causes severe skin burns and eye damage. Avoid contact with skin. |
| Inhalation | Harmful by inhalation. Avoid breathing vapors or mists. |
| Ingestion | Toxic if swallowed. Do not take internally. |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| Chemical name | ACGIH | IARC | NTP | OSHA |
|--|-------|------|-----|------|
| Benzenemethanamine, N,N-Dimethyl- 103-83-3 | - | - | - | - |
| Benzyl alcohol 100-51-6 | - | - | - | - |

Serious eye damage/irritation No information available.

Skin Corrosion/Irritation No information available.

Sensitization No information available.

Reproductive Effects No information available.

Mutagenic Effects No information available.

| | |
|---------------------------------|---------------------------|
| Developmental Effects | No information available. |
| STOT - single exposure | No information available. |
| STOT - Repeated Exposure | No information available. |
| Chronic Toxicity | Avoid repeated exposure. |
| Aspiration Hazard | No information available. |

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects
Avoid release to the environment

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|----------------------|--|--|---|
| Benzenemethanamine, N,N-Dimethyl-103-83-3 | - | 35.8 - 39.9: 96 h Pimephales promelas mg/L LC50 flow-through | - | - |
| Benzyl alcohol 100-51-6 | - | 10: 96 h Lepomis macrochirus mg/L LC50 static 460: 96 h Pimephales promelas mg/L LC50 static | = 50 mg/L EC50 Photobacterium phosphoreum 5 min = 63.7 mg/L EC50 Photobacterium phosphoreum 15 min = 63.7 mg/L EC50 Photobacterium phosphoreum 5 min = 71.4 mg/L EC50 Photobacterium phosphoreum 30 min | = 23 mg/L EC50 23: 48 h water flea mg/L EC50 |

| | |
|-------------------------------------|---------------------------|
| Persistence/Degradability | No information available. |
| Bioaccumulation/Accumulation | No information available. |
| Mobility in Soil | No information available. |

| Chemical name | log Pow = |
|---|-----------|
| Benzenemethanamine, N,N-Dimethyl-103-83-3 | - |
| Benzyl alcohol 100-51-6 | 1.1 |

| | |
|-------------------------------------|--------------------------|
| <u>Other adverse effects</u> | No information available |
|-------------------------------------|--------------------------|

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-------------------------------|---|
| Disposal Methods | Contact waste disposal services. Dispose of in accordance with local regulations. |
| Contaminated Packaging | Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

| |
|----------------------------------|
| 14. TRANSPORT INFORMATION |
|----------------------------------|

DOT

| | |
|--|---|
| UN-No | UN2619 |
| Proper Shipping Name | Benzyl dimethylamine |
| Hazard class | 8 |
| Subsidiary Class | 3 |
| Packing Group | II |
| DOT Marine Pollutant | NP. |
| Description | UN2619, Benzyl dimethylamine, 8 (3), II |
| Emergency Response Guide Number | 132 |

TDG

| | |
|-----------------------------|---|
| UN-No | UN2619 |
| Proper Shipping Name | Benzyl dimethylamine |
| Hazard class | 8 |
| Subsidiary Class | 3 |
| Packing Group | II |
| Description | UN2619, Benzyl dimethylamine, 8 (3), II |

MEX

| | |
|-----------------------------|---|
| UN-No | UN2619 |
| Proper Shipping Name | Benzyl dimethylamine |
| Hazard class | 8 |
| Subsidiary Class | 3 |
| Packing Group | II |
| Description | UN2619, Benzyl dimethylamine, 8 (3), II |

ICAO

| | |
|-------------------------|--------|
| UN-No | UN2619 |
| Hazard class | 8 |
| Subsidiary Class | 3 |
| Packing Group | II |

IATA

| | |
|-----------------------------------|--------|
| UN number | UN2619 |
| Transport hazard class(es) | 8 |
| Subsidiary hazard class | 3 |
| Packing Group | II |

IMDG

| | |
|-----------------------------------|----------|
| UN number | UN2619 |
| Transport hazard class(es) | 8 |
| Subsidiary Class | 3 |
| Packing Group | II |
| EmS No. | F-E, S-C |

RID

| | |
|-----------------------------------|---|
| UN-No | UN2619 |
| Proper Shipping Name | BENZYL DIMETHYLAMINE |
| Transport hazard class(es) | 8 |
| Packing Group | II |
| Classification Code | CF1 |
| Description | UN2619, BENZYL DIMETHYLAMINE, 8 (3), II |
| ADR/RID-Labels | 8 + 3 |

ADR

| | |
|-----------------------------|----------------------|
| UN-No | UN2619 |
| Proper Shipping Name | Benzyl dimethylamine |
| Hazard Class | 8 |

Packing Group II
Classification Code CF1
Tunnel Restriction Code (D/E)
Description UN2619, Benzyldimethylamine, 8 (3), II, (D/E)
Labels 8 + 3

ADN

Proper Shipping Name Benzyldimethylamine
Transport hazard class(es) 8
Packing Group II
Classification Code CF1
Description UN2619, Benzyldimethylamine, 8 (3), II
Hazard label(s) 8 + 3
Limited Quantity 1 L
Ventilation VE01
Equipment Requirements PP, EP, EX, A

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
Canada (DSL) Complies
EU (EINECS) Complies
EU (ELINCS) Does not comply
Japan (ENCS) Complies
China (IECSC) Complies
Korea (KECL) Complies
Philippines (PICCS) Complies
Australia (AICS) Complies
Mexico INV Complies
Taiwan INV Complies

| Chemical name | U.S.A. (TSCA) | Canada (DSL) | EU (EINECS) | EU (ELINCS) | |
|---|----------------------------|---------------|--------------|---------------------|------------------|
| Benzenemethanamine, N,N-Dimethyl- | Present | Present | X | - | |
| Benzyl alcohol | Present | Present | X | - | |
| Component | Japan (ENCS) | China (IECSC) | Korea (KECL) | Philippines (PICCS) | Australia (AICS) |
| - | Present (3)-350,(3)-332 | Present | Present | Present | Present |
| - | Present (3)-1011 | Present | Present | Present | Present |
| Chemical name | Mexico INV | | Taiwan INV | | |
| Benzenemethanamine, N,N-Dimethyl- 103-83-3 | Present | | Present | | |
| Benzyl alcohol 100-51-6 | Present | | Present | | |

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | Yes |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

VOC content

This product contains VOCs

| Chemical name | CAS No. | VOCs |
|----------------|----------|---------|
| Benzyl alcohol | 100-51-6 | Present |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|-----------------------------|------------------------|---------------------------|----------------------------|
| Benzenemethanamine, N,N-Dimethyl-103-83-3 | - | - | - | - |
| Benzyl alcohol 100-51-6 | - | - | - | - |

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

| Chemical name | CERCLA/SARA Hazardous Substances | CERCLA/SARA RQ | RQ |
|---|----------------------------------|----------------|----|
| Benzenemethanamine, N,N-Dimethyl-103-83-3 | - | - | - |
| Benzyl alcohol 100-51-6 | - | - | - |

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

This product contains the following State Right-to-Know chemicals:

| Chemical name | New Jersey | Massachusetts | Illinois | Rhode Island | Pennsylvania |
|---|------------|---------------|----------|--------------|--------------|
| Benzenemethanamine, N,N-Dimethyl-103-83-3 | sn 0219 | - | - | - | - |
| Benzyl alcohol 100-51-6 | - | Present | - | - | Present |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Canada

WHMIS Statement

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

NFPA

Health 3

Flammability 2

Instability 0

Physical Hazard 0



Issuing Date

29-Jul-2013

Revision Date

01-Feb-2023

Not available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet