

SAFETY DATA SHEET

Preparation Date: 10/9/2018

Revision Date: 10/9/2018

Revision Number: G1

1. IDENTIFICATION

Product identifier

Product code: D1016
Product Name: 2-DIETHYLAMINOETHANOL, REAGENT

Other means of identification

Synonyms: 2-(Diethylamino)ethanol
 2-dietilaminoetanol (Spanish)
 2-Hydroxytriethylamine
 2-N-Diethylaminoethanol
 2-diéthylaminoéthanol (French)
 Diethylethanolamine
 N,N-Diethyl-N-(beta-hydroxyethyl)amine
 N,N-Diethylethanolamine
 N-Diethylaminoethanol
 beta-Diethylaminoethanol
 beta-Diethylaminoethyl alcohol

CAS #: 100-37-8
RTECS # KK5075000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Chemical intermediate.
Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000

Order Online At: <https://www.spectrumchemical.com>

Emergency telephone number Chemtrec 1-800-424-9300

Contact Person: Martin LaBenz (West Coast)

Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Gases)	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4

Product code: D1016

Product name:
 2-DIETHYLAMINOETHANOL,
 REAGENT


1 / 14

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 3

Label elements

Danger

Hazard statements
 Causes severe skin burns and eye damage
 Harmful if swallowed
 Harmful in contact with skin
 Harmful if inhaled
 May cause respiratory irritation
 Flammable liquid and vapor



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Harmful to aquatic life with long lasting effects

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
 Keep cool

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 In case of fire: Use CO₂, dry chemical, or foam to extinguish.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a POISON CENTER or doctor/physician.
 Call a POISON CENTER or doctor/physician if you feel unwell
 Wash contaminated clothing before reuse

Product code: D1016

Product name:
 2-DIETHYLAMINOETHANOL,
 REAGENT

2 / 14

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
2-Diethylaminoethanol	100-37-8	100

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

Skin Contact: Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical attention is required. Call a physician immediately.

Eye Contact: Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. **WARNING!** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required. Call a physician immediately.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If victim is conscious, give water or milk. Immediate medical attention is required. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed

Symptoms
Severe skin and eye irritation or burns
Causes digestive (gastrointestinal) tract irritation
Can burn mouth, throat, and stomach
May cause gastrointestinal (digestive) tract burns
May cause nausea and vomiting
Irritating to respiratory system
Nose and throat irritation
Coughing and wheezing
May cause shortness of breath
Central nervous system effects

Dizziness
Ataxia
Weakness
Tremors
Convulsions
May cause bronchitis

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

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

Unsuitable Extinguishing Media:

Do not use a solid (straight) water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous Combustion Products:

Carbon Monoxide, Carbon Dioxide. Nitrogen Oxides.

Specific hazards:

Flammable. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Fire may produce irritating, corrosive and/or toxic gases.

Special Protective Actions for Firefighters

Specific Methods:

Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Special Protective Equipment 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: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth).

Methods for cleaning up Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Hygroscopic. Protect from moisture. Store at room temperature in the original container. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:

Oxidizing agents
Acids
Metals

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Product code: D1016

Product name:
2-DIETHYLAMINOETHANOL,
REAGENT

5 / 14

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
2-Diethylaminoethanol	100-37-8	10 ppm TWA 50 mg/m ³ TWA	10 ppm TWA 50 mg/m ³ TWA	2 ppm TWA	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
2-Diethylaminoethanol	100-37-8	2 ppm TWA 9.6 mg/m ³ TWA	2 ppm TWA	None	None

Australia and Mexico

Components	CAS-No.	Australia	Mexico
2-Diethylaminoethanol	100-37-8	10 ppm TWA 48 mg/m ³ TWA	10 ppm TWA 50 mg/m ³ TWA

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles or Face-shield.

Skin and body protection: Long sleeved clothing
Chemical resistant apron
Gloves
If working with large quantities:
Chemical resistant protective suit

Respiratory protection: Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Liquid

Appearance:

Clear.

Color:

Colorless. Light yellow.

Odor:

Nauseating. Ammonia-like.

Taste

No information available.

Formula:

C₆H₁₅NO

Molecular/Formula weight (g/mole):

117.19

Flammability:

No information available

Flashpoint (°C/°F):

60 °C/140 °F
51.7 °C/125 °F

Flash Point Tested according to:

Open cup
Closed cup

Autoignition Temperature (°C/°F):

320 °C/608 °F

Lower Explosion Limit (%):

6.7

Upper Explosion Limit (%):

11.7

Melting point/range(°C/°F):

Freezing point: -70 °C/-94 °F

Decomposition temperature(°C/°F):

No information available

Product code: D1016

Product name:
2-DIETHYLAMINOETHANOL,
REAGENT

6 / 14

Boiling point/range(°C/°F):
163 °C

Bulk density:
No information available

Density (g/cm3):
No information available

Specific gravity:
0.8921

pH:
No information available

Vapor pressure @ 20°C (kPa):
2.8

Evaporation rate:
No information available

Vapor density:
4.03

VOC content (g/L):
No information available

Odor threshold (ppm):
0.011

**Partition coefficient
(n-octanol/water):**
No information available

Viscosity:
No information available

Miscibility:
No information available

Solubility:
Soluble in Water

10. STABILITY AND REACTIVITY

Reactivity

Reactive with oxidizing agents
Reactive with acids

Chemical stability

Stability: Stable under recommended storage conditions. Hygroscopic.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Exposure to moisture. Exposure to moist air.

Incompatible Materials: Oxidizing agents
Acids
Metals

Hazardous decomposition products: Carbon monoxide. Carbon dioxide. Nitrogen oxides (NOx).

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Ingestion. Inhalation. Skin. Eyes.

Acute Toxicity

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

Component Information

2-Diethylaminoethanol

CAS-No. | 100-37-8

LD50/oral/rat = 1320 mg/kg Oral LD50 Rat

Product code: D1016

Product name:
2-DIETHYLAMINOETHANOL,
REAGENT

7 / 14

LD50/oral/mouse = No information available
LD50/dermal/rabbit = 1260 µL/kg Dermal LD50 Rabbit; 1 mL/kg Dermal LD50 Rabbit
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = 1320 mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = No information available

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = 1 ml/kg

LD50/dermal/rat
VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes severe irritation and burns.

Eye Contact: Causes severe irritation and burns.

Inhalation Irritating to respiratory system. Causes nose and throat irritation with coughing and wheezing. Can cause dyspnea (shortness of breath and difficulty breathing). May cause nausea, vomiting. May cause dizziness. It may affect behavior/central nervous system (ataxia). It may affect behavior/central nervous system (convulsions/seizures).

Ingestion Causes digestive (gastrointestinal) tract irritation. May cause digestive (gastrointestinal) tract burns. May cause ulceration or perforation of the gastrointestinal tract.

Aspiration hazard No information available.

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

Chronic Toxicity Repeated exposure may cause bronchitis to develop with cough, phlegm, and /or shortness of breath. Chronic exposure may affect the liver and kidneys. Prolonged or repeated ingestion may affect the behavior/central nervous system (convulsions).

Sensitization: No information available.

Product code: D1016

Product name:
2-DIETHYLAMINOETHANOL,
REAGENT

8 / 14

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
2-Diethylaminoethanol	100-37-8	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available

Developmental Effects: No information available

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

2-Diethylaminoethanol - 100-37-8

Freshwater Algae Data: 30 mg/L EC50 *Desmodesmus subspicatus* 72 h

Freshwater Fish Species Data: 1660 - 1920 mg/L LC50 *Pimephales promelas* 96 h flow-through 1 100 - 220 mg/L LC50 *Leuciscus idus* 96 h static 1

Water Flea Data: 83.6 mg/L EC50 *Daphnia magna* Straus 48 h

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Product code: D1016

Product name:
2-DIETHYLAMINOETHANOL,
REAGENT

9 / 14

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
2-Diethylaminoethanol	100-37-8	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN2686
Proper Shipping Name: 2-Diethylaminoethanol
Hazard Class: 8
Subsidiary Class: 3
Packing group: II
Emergency Response Guide Number: 132
Marine Pollutant: No data available
DOT RQ (lbs): No information available
Special Provisions: B2, IB2, T7, TP2
Symbol(s): No information available
Description: UN2686, 2-Diethylaminoethanol, 8 (3), II

TDG (Canada)

UN-No: UN2686
Proper Shipping Name: 2-Diethylaminoethanol
Hazard Class: 8
Subsidiary Risk: No information available
Packing Group: II
Marine Pollutant: No Information available
Description: UN2686, 2-Diethylaminoethanol, 8 (3), II

ADR

UN-No: UN2686
Proper Shipping Name: 2-Diethylamino-ethanol
Hazard Class: 8
Packing Group: II
Subsidiary Risk: No information available
Description: UN2686, 2-Diethylamino-ethanol, 8 (3), II

IMO / IMDG

UN-No: UN2686
Proper Shipping Name: 2-Diethylaminoethanol
Hazard Class: 8
Subsidiary Risk: No information available
Packing Group: II
Marine Pollutant: No information available
EMS: F-E
Description: UN2686, 2-Diethylaminoethanol, 8 (3), II

RID

UN-No: UN2686
Proper Shipping Name: 2-Diethylaminoethanol
Hazard Class: 8
Subsidiary Risk: No information available
Packing Group: II
Description: UN2686, 2-Diethylaminoethanol, 8 (3), II

ICAO

UN-No: UN2686
Proper Shipping Name: 2-Diethylaminoethanol
Hazard Class: 8
Subsidiary Risk: No information available
Packing Group: II
Description: UN2686, 2-Diethylaminoethanol, 8 (3), II

IATA

UN-No: UN2686
Proper Shipping Name: 2-Diethylaminoethanol
Hazard Class: 8
Subsidiary Risk: No information available
Packing Group: II
ERG Code: 8F
Special Provisions No information available
Description: UN2686, 2-Diethylaminoethanol, 8 (3), II

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
2-Diethylaminoethanol	100-37-8	Present ACTIV E	Present KE-20903	Present	Present (2)-353,(2)-29 7	Present	Present	Present 202-845-2

U.S. Regulations*2-Diethylaminoethanol*

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 0691
Pennsylvania RTK: Present
Minnesota - Hazardous Substance List: Present
California Directors List of Hazardous Substances: Present

FDA - Direct Food Additives 21 CFR 173.310

FDA - 21 CFR - Total Food Additives 173.310

- List Sourced from EAFUS

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**Chemicals Known to the State of California to Cause Cancer:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
2-Diethylaminoethanol	100-37-8	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
2-Diethylaminoetha	100-37-8	None	None	None	None	None

Product code: D1016

Product name:
 2-DIETHYLAMINOETHANOL,
 REAGENT

11 / 14

not						
-----	--	--	--	--	--	--

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
2-Diethylaminoethanol	100-37-8	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component

2-Diethylaminoethanol
100-37-8 (100)

WHMIS 2015 Hazard Classification

Flammable liquids - Category 3: H226 Flammable liquid and vapour.; Acute toxicity - Oral - Category 4: H302 Harmful if swallowed.; Acute toxicity - Dermal - Category 3: H311 Toxic in contact with skin.; Acute toxicity - Inhalation - Category 3: H331 Toxic if inhaled.; Health Hazard Not Otherwise Classified - Category 1: Causes severe damage to the respiratory tract; Skin corrosion/irritation - Category 1: H314 Causes severe skin burns and eye damage.; Serious Eye Damage/Eye Irritation - Category 1: H318 Causes serious eye damage.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

Components	WHMIS Ingredient Disclosure List -
2-Diethylaminoethanol	1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
2-Diethylaminoethanol	100-37-8	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
2-Diethylaminoethanol	100-37-8	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
2-Diethylaminoethanol	100-37-8	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
2-Diethylaminoethanol	100-37-8	Flammable liquids - Flam. Liq. 3: H226 Flammable liquid and vapour.; Acute toxicity - Oral - Acute Tox. 4: H302 Harmful if swallowed. (Minimum classification); Acute toxicity - Dermal - Acute Tox. 4: H312 Harmful in contact with skin. (Minimum classification); Acute toxicity - Inhalation - Acute Tox. 4: H332 Harmful if inhaled. (Minimum classification); Skin corrosion/irritation - Skin Corr. 1B: H314 Causes severe

Product code: D1016

Product name:
2-DIETHYLAMINOETHANOL,
REAGENT

12 / 14

		skin burns and eye damage.603-048-00-6 Specific target organ toxicity - Single exposure - STOT SE 3: H335 May cause respiratory irritation. (C >= 5 %) 603-048-00-6
--	--	---

EU - CLP (1272/2008)

R-phrase(s)

R34 - Causes burns.

R10 - Flammable.

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

S -phrase(s)

S25 - Avoid contact with eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 1/2 - Keep locked up and out of the reach of children.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
2-Diethylaminoethanol	100-37-8	R10 Xn; R20/21/22 C; R34	10%<=C C; R34 5%<=C<10% Xi; R36/37/38	S: (1/2)-25-26-36/37/39-4 5

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Flammable

Xn - Harmful.

C - Corrosive.



16. OTHER INFORMATION

Preparation Date: 10/9/2018
Revision Date: 10/9/2018
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against

Product code: D1016

Product name:
2-DIETHYLAMINOETHANOL,
REAGENT

13 / 14

infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet