

## SAFETY DATA SHEET

Preparation Date: 9/15/2014

Revision Date: 9/13/2018

Revision Number: G4

### 1. IDENTIFICATION

#### Product identifier

**Product code:** D1388  
**Product Name:** DIMETHYL SULFOXIDE, ANHYDROUS

#### Other means of identification

**Synonyms:** Dimethyl sulphoxide  
 DMSO  
 Methane, sulfinylbis-  
 Methylsulfinylmethane  
 Methyl Sulfoxide  
 Sulfinylbis(methane)  
 Diméthylsulfoxyde (French)  
 Sulfoxyde diméthylique (French)  
 Dimetil sulfóxido (Spanish)

**CAS #:** 67-68-5  
**RTECS #** PV6210000  
**CI#:** Not available

#### Recommended use of the chemical and restrictions on use

**Recommended use:** Solvent. Paint remover. In industrial cleaners. In organic reactions. Analytical reagent.

**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)

Serious eye damage/eye irritation	Category 2B
Flammable liquids	Category 4

#### Label elements

**Warning****Hazard statements**

Causes eye irritation  
Combustible liquid

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

Not available

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
Wear protective gloves  
Wear eye/face protection

In case of fire: Use CO<sub>2</sub>, 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. If eye irritation persists: Get medical advice/attention.

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Components	CAS-No.	Weight %
Dimethyl Sulfoxide	67-68-5	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.

**Skin Contact:**

Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention.

**Eye Contact:**

Flush eyes with water for 15 minutes. Get medical attention.

**Inhalation:**

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:**

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

**Most important symptoms and effects, both acute and delayed****Symptoms**

Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea  
May cause constipation  
May cause anorexia  
Central nervous system effects  
May cause headache

Dizziness  
Ataxia  
May affect behavior/central nervous system (tremor, convulsions)  
Analgesia  
May cause cardiovascular effects  
It may cause transient photophobia and disturbances of vision  
May affect respiration  
May cause cyanosis  
May affect the liver  
It may affect the kidneys  
May cause hypoglycemia

**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:**

Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray mist or foam.

**Unsuitable Extinguishing Media:**

High volume water jet. 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. Sulfur Oxides. Formaldehyde. Methyl mercaptan.

**Specific hazards:**

Combustible material. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. 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. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

### 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). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

**Methods for cleaning up** Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use clean non-sparking tools to collect absorbed material. 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. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Do not ingest. Do not breathe vapors or spray mist. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

#### **Technical Measures/Storage Conditions:**

Hygroscopic. Keep container tightly closed in a dry and well-ventilated place. 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

Bases

Alkali Metals

Acid chlorides

Acid anhydrides

Potassium t-butoxide

boron compounds

Sodium isopropoxide

Dinitrogen tetraoxide

Carbonyl diisothiocyanate

Acetanilide

Many acyl, aryl, and nonmetal halides (eg acetyl chloride, benzenesulfonyl chloride, bromobenzoyl actanilide, cyanuric chloride, iodine pentafluoride, Mg(ClO<sub>4</sub>)<sub>2</sub>, CH<sub>3</sub>Br, NiO<sub>4</sub>, oxalyl chloride, P<sub>2</sub>O<sub>3</sub>, phosphorus trichloride,

phosphoryl chloride, silver fluoride, silver difluoride, sodium hydride, sulfur dichloride, disulfur dichloride, sulfurylchloride, tetrachlorosilane, and thionyl chloride)

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### National occupational exposure limits

##### United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Dimethyl Sulfoxide	67-68-5	None	None	None	250 ppm TWA

##### Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Dimethyl Sulfoxide	67-68-5	None	None	None	None

##### Australia and Mexico

Components	CAS-No.	Australia	Mexico
Dimethyl Sulfoxide	67-68-5	None	None

### 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

**Skin and body protection:** Long sleeved clothing  
Chemical resistant apron  
Gloves

**Respiratory protection:** Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. 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

<b>Physical state:</b> Liquid	<b>Appearance:</b> No information available.	<b>Color:</b> Clear. Colorless.
<b>Odor:</b> Slight. Sulfurous. Distinctive garlic or oyster-like.	<b>Taste</b> Slightly bitter with a sweet after-taste.	<b>Formula:</b> C2-H6-O-S
<b>Molecular/Formula weight (g/mole):</b> 78.13	<b>Flammability:</b> No information available	<b>Flash point (°C):</b> 89
<b>Flashpoint (°C/°F):</b> 89 °C/192.2 °F 95 °C/203 °F	<b>Flash Point Tested according to:</b> Closed cup Open cup	<b>Autoignition Temperature (°C/°F):</b> 215 °C/419 °F
<b>Lower Explosion Limit (%):</b> 2.6%	<b>Upper Explosion Limit (%):</b> 42%	<b>Melting point/range(°C/°F):</b> 18.45 °C/65.2 °F
<b>Decomposition temperature(°C/°F):</b> No information available	<b>Boiling point/range(°C/°F):</b> 189 °C/372.2 °F	<b>Bulk density:</b> No information available
<b>Density (g/cm3):</b> No information available	<b>Specific gravity:</b> 1.100	<b>pH:</b> No information available
<b>Vapor pressure @ 20°C (kPa):</b> 0.055	<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> No information available
<b>VOC content (g/L):</b> 1100	<b>Odor threshold (ppm):</b> No information available	<b>Partition coefficient (n-octanol/water):</b> -1.35
<b>Viscosity:</b> No information available	<b>Miscibility:</b> Miscible with water	<b>Solubility:</b> Soluble in Ethanol Soluble in Ether Soluble in Acetone Soluble in Chloroform Soluble in Benzene

## 10. STABILITY AND REACTIVITY

### Reactivity

No information available

### Chemical stability

**Stability:** Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

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

**Incompatible Materials:**

- Oxidizing agents
- Acids
- Bases
- Alkali Metals
- Acid chlorides
- Acid anhydrides
- Potassium t-butoxide
- boron compounds
- Sodium isopropoxide

Dinitrogen tetroxide  
Carbonyl diisothiocyanate  
Acetanilide  
Many acyl, aryl, and nonmetal halides (eg acetyl chloride, benzenesulfonyl chloride, bromobenzoyl actanilide, cyanuric chloride, iodine pentafluoride, Mg(ClO<sub>4</sub>)<sub>2</sub>, CH<sub>3</sub>Br, NiO<sub>4</sub>, oxalyl chloride, P<sub>2</sub>O<sub>3</sub>, phosphorus trichloride, phosphoryl chloride, silver fluoride, silver difluoride, sodium hydride, sulfur dichloride, disulfur dichloride, sulfonylchloride, tetrachlorosilane, and thionyl chloride)

**Hazardous decomposition products:**

When heated to decomposition it emits toxic fumes. Carbon monoxide. Carbon dioxide. Sulfur oxides. Formaldehyde. Methyl mercaptan. Dimethyl sulfide.

**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:**

Skin. Ingestion. Eyes.

**Acute Toxicity**

**Component Information**

Dimethyl Sulfoxide
CAS-No.   67-68-5

**LD50/oral/rat** = 28300 mg/kg Oral LD50 Rat; 14500 mg/kg Oral LD50 Rat

**LD50/oral/mouse** = 7920-21400 mg/kg

**LD50/dermal/rabbit** = No information available

**LD50/dermal/rat** = 40 g/kg Dermal LD50

**LC50/inhalation/rat** = >1600 mg/m<sup>3</sup> 4 h; > 5.33 mg/L 4 h

**LC50/inhalation/mouse** = No information available

**Other LD50 or LC50 information** = 17400 mg/kg LD50 oral Rat

28300 mg/kg LD50 oral Rat

**Product Information**

**LD50/oral/rat** =

**VALUE- Acute Tox Oral** = 14500 mg/kg

**LD50/oral/mouse** =

**Value - Acute Tox Oral** = 7920 mg/kg

**LD50/dermal/rabbit**

**VALUE-Acute Tox Dermal** = No information available

**LD50/dermal/rat**

**VALUE -Acute Tox Dermal** = 40000 mg/kg

**LC50/inhalation/rat**

**VALUE-Vapor** = No information available

**Product code:** D1388

**Product name:** DIMETHYL  
SULFOXIDE, ANHYDROUS

VALUE-Gas = No information available  
VALUE-Dust/Mist = > 1600 mg/m<sup>3</sup> (4-hr.)

**LC50/Inhalation/mouse**

VALUE-Vapor = No information available  
VALUE - Gas = No information available  
VALUE - Dust/Mist = No information available

**Symptoms**

**Skin Contact:** May cause skin irritation. Mild skin irritation. May cause burning or stinging sensation, redness of the skin, inflammation of the skin. May cause itching. May cause urticaria (hives). Dimethyl Sulfoxide readily penetrates the skin and may carry other dissolved chemicals into the body. Skin absorption of DMSO may result in garlic-like breath and body odor. If absorbed through skin it may cause systemic effects with symptoms similar to those of ingestion. May cause dyspnea (shortness of breath and difficulty breathing) and cyanosis.

**Eye Contact:** May cause eye irritation. Mild eye irritation. May cause temporary burning sensation and vasodilation. May cause conjunctivitis. May cause conjunctival redness. May cause cataracts. May cause corneal opacity. It may cause transient photophobia and disturbances of vision.

**Inhalation** May cause irritation of respiratory tract. Inhalation of a high concentration of vapors may cause headache, dizziness, and sedation.

**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause constipation. May cause abdominal pain. May cause decreased appetite or anorexia. May affect respiration (difficult or labored breathing resulting in shortness of breath). May affect respiration (respiratory depression). May affect urinary system (kidneys). May cause increase in urine volume. May affect blood (changes in serum composition). It may affect the blood (anemia, eosinophilia). It may affect the brain. May affect the cardiovascular system (vasodilation, hypotension, tachycardia, chest pain). May affect behavior/central nervous system (ataxia). May affect behavior/central nervous system (muscle weakness, convulsions). May affect behavior/central nervous system (dizziness, headache). May affect behavior/central nervous system (fatigue, sedation, tremor). May cause hypoglycemia (low blood sugar), which is characterized by symptoms such as blurred vision, chills, cold sweat, dizziness, drowsiness, shaking, rapid heart rate, confusion, weakness, headache, fainting, hunger, tingling of the hands or feet. May affect liver.

**Aspiration hazard** No information available.

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

**Chronic Toxicity** Prolonged or repeated ingestion may cause nausea, vomiting, loss of appetite. Prolonged or repeated ingestion may affect the blood (changes in red blood cell count). Prolonged or repeated ingestion may affect the blood (normocytic anemia). Prolonged or repeated ingestion may affect the kidneys (polyuria (increase in urine volume, hematuria (blood in the urine), tubular necrosis). Prolonged skin contact may cause skin irritation and/or dermatitis. Chronic exposure may cause drying and scaling of the skin.

**Sensitization:** No information available.

**Mutagenic Effects:** May affect genetic material  
Mutations in microorganisms



Experiments with bacteria and/or yeast have shown mutagenic effects  
 Mutagenic effects in mammalian somatic cells

**Carcinogenic effects:** Equivocal tumorigenic agent by Registry of Toxic Effects of Chemical Substances (RTECS) criteria.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Dimethyl Sulfoxide	67-68-5	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:** Showed teratogenic effects in animal experiments  
 Dimethyl Sulfoxide (DMSO) has been associated with teratogenic and/or embryotoxic effects in animals (hamster, mouse, rat), particularly when administered parenterally (intraperitoneal or intravenous routes). DMSO has not been shown to be teratogenic or embryotoxic via oral or dermal routes at dose levels that do not produce overt maternal toxicity  
 No data in humans was available to evaluate the effects of exposure on development

**Specific Target Organ Toxicity**

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Target Organs:** Kidneys. Skin. Central nervous system.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

*Dimethyl Sulfoxide - 67-68-5*

**Freshwater Algae Data:** 12350 - 25500 mg/L EC50 *Skeletonema costatum* 96 h

**Freshwater Fish Species Data:** 34000 mg/L LC50 *Pimephales promelas* 96 h 1 33 - 37 g/L LC50 *Oncorhynchus mykiss* 96 h static 1 40 g/L LC50 *Lepomis macrochirus* 96 h static 1 41.7 g/L LC50 *Cyprinus carpio* 96 h 1

**Water Flea Data:** 7000 mg/L EC50 *Daphnia* species 24 h

**Persistence and degradability:** Readily biodegradable

**Bioaccumulative potential:** Potential for bioconcentration in aquatic organisms is low.

**Mobility:** It is expected to have very high mobility based on estimated Koc.

**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:**

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
Dimethyl Sulfoxide	67-68-5	None	None	None	None

## 14. TRANSPORT INFORMATION

### DOT

<b>UN-No:</b>	Not Regulated
<b>Proper Shipping Name:</b>	No information available
<b>Hazard Class:</b>	No information available
<b>Subsidiary Class</b>	No information available
<b>Packing group:</b>	No information available
<b>Emergency Response Guide Number</b>	No information available
<b>Marine Pollutant</b>	No data available
<b>DOT RQ (lbs):</b>	No information available
<b>Special Provisions</b>	No Information available
<b>Symbol(s):</b>	No information available
<b>Description:</b>	No information available

### TDG (Canada)

<b>UN-No:</b>	Not Regulated
<b>Proper Shipping Name:</b>	No information available
<b>Hazard Class:</b>	No information available
<b>Subsidiary Risk:</b>	No information available
<b>Packing Group:</b>	No information available
<b>Marine Pollutant</b>	No Information available
<b>Description:</b>	No information available

### ADR

<b>UN-No:</b>	Not Regulated
<b>Proper Shipping Name:</b>	No information available
<b>Hazard Class:</b>	No information available
<b>Packing Group:</b>	No information available
<b>Subsidiary Risk:</b>	No information available

### IMO / IMDG

<b>UN-No:</b>	Not Regulated
<b>Proper Shipping Name:</b>	No information available
<b>Hazard Class:</b>	No information available
<b>Subsidiary Risk:</b>	No information available
<b>Packing Group:</b>	No information available
<b>Marine Pollutant</b>	No information available

### RID

<b>UN-No:</b>	Not Regulated
<b>Proper Shipping Name:</b>	No information available
<b>Hazard Class:</b>	No information available
<b>Subsidiary Risk:</b>	No information available
<b>Packing Group:</b>	No information available

**ICAO**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available

**IATA**

**UN-No:** Not Regulated  
**Proper Shipping Name:** No information available  
**Hazard Class:** No information available  
**Subsidiary Risk:** No information available  
**Packing Group:** No information available  
**ERG Code:** No information available  
**Special Provisions** No information available

<b>15. REGULATORY INFORMATION</b>
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**International Inventories**

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
<i>Dimethyl Sulfoxide</i>	67-68-5	PresentACTIVE	Present KE-32367	Present	Present (2)-1553	Present	Present	Present 200-664-3

**U.S. Regulations***Dimethyl Sulfoxide*

**New Jersey RTK Hazardous Substance List:** 4145

**FDA - Direct Food Additives** 21 CFR 172.869 (residual)

**FDA - 21 CFR - Total Food Additives** 172.859, 177.1655, 177.2440

**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:
<i>Dimethyl Sulfoxide</i>	67-68-5	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
<i>Dimethyl Sulfoxide</i>	67-68-5	None	None	None	None	None

**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
<i>Dimethyl Sulfoxide</i>	67-68-5	Not Applicable	Not Applicable

## Canada

### WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component  
Dimethyl Sulfoxide  
67-68-5 ( 100 )

WHMIS 2015 Hazard Classification  
Flammable liquids - Category 4: H227 Combustible liquid.

**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 -
Dimethyl Sulfoxide	1 %

### Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Dimethyl Sulfoxide	67-68-5	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Dimethyl Sulfoxide	67-68-5	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Dimethyl Sulfoxide	67-68-5	Not listed

### EU Classification

#### EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Dimethyl Sulfoxide	67-68-5	No information

#### EU - CLP (1272/2008)

#### R-phrases(s)

Not determined

#### S -phrase(s)

none

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Dimethyl Sulfoxide	67-68-5		No information	

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

#### Indication of danger:

not determined

## 16. OTHER INFORMATION

Preparation Date: 9/15/2014  
Revision Date: 9/13/2018  
Prepared by: Sonia Owen

Product code: D1388

Product name: DIMETHYL  
SULFOXIDE, ANHYDROUS

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**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 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**