1 - Identification

Product Name	Methyl Sulfonyl Methane (MSM)
Chemical Name	Dimethyl Sulfone
Synonyms/Trade Names	Methy sulfone, Methanol sulfonylibis, DMSO2
Molecular Formula	(CH3)2SO2
Molecular Weight	94.13
Address	Ingredients To Die For, 11110 Metric Bvd, Ste D, Austin, TX 78758
Phone	512-535-2711
Emergency Phone	Chemtrec Emergency Hotline (US & Canada): 800-424-9300 International: (86) 730 8815329

2 - Hazard(s) Identification

Ingredients	OSHA PEL; ACGIH TLV
CAS-No.	67-71-0
Weight	>99.9%
NTP/IARC/OSHA Carcinogen	No
EC Classifications	None required

3 - Composition/Information on Ingredients

Hazards Identification	
Combustible liquid and vapor	
Physical Appearance	White crystalline flakes or powder
Odor	Essentially odorless
Effects of Overexposure	
Inhalation	A nuisance dust that may cause respiratory irritation due to its physical form.
Eyes	The physical form of the chemical could be mechanically irritating to the eye.
Skin	Non-irritating
Ingestion	Undetermined in humans but generally considered to be of low toxicity (oral rat LD50 17,000 mg/kg)

4 - First-Aid Measures

First Aid Measures

Eye Contact	Flush thoroughly with running water (including under eyelids) for at least 15 minutes. If irritation persists after flushing, seek medical attention.
Skin Contact	Wash skin if irritation occurs.
Ingestion	Do not induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cupfuls of water. If significant amounts of the product have been ingested, consult a physician.

Note to Physicians: Treat symptomatically and supportively.

Inhalation	Remove to fresh air. If breathing has stopped, provide artificial respiration and seek medical attention.

5 - Fire-Fighting Measures

Fire-Fighting Measures

Flashpoint and method	143 C (290 F) closed cup
Flammable Limits (% in air)	LEL: Undetermined. UEL: Undetermined.
Autoignition Temperature	Undetermined
Extinguishing Media	Foam, carbon dioxide, dry powder, and water spray.
Special Protective Equipment for Fire-Figl	Wear a self-contained breathing apparatus (SCBA)
Special Exposure Hazards	Burning methyl sulfonyl methane produces poisonous gases (sulfur oxides).

6 - Accidental Release Measures

Accidental Release Measures

Spill, Leak or Release	Review sections 3, 4, 5 and 8 of this MSDS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up.
Initial Containment	If a spill occurs, immediately consult your environmental supervisor.
Spill Clean-up Method	Spills may be swept up and incinerated or diluted and flushed to wastewater treatment. Do not allow the material to enter streams or waterways.

7 - Handling and Storage

Handling and Storage

Usage/Handling Precautions	Avoid contact with their eyes or skin. Do not smoke in areas of storage or use. Skin or clothing that become contaminated should be immediately washed or showered.
Storage Precautions	Store away from strong oxidizing agents in a well ventilated cool and dry location. Protect containers from physical damage.

8 - Exposure Controls/Personal Protection

Exposure Limits

ACGIH Threshold Limit Value (TLV)	Not established
OSHA (USA) Permissible Exposure Limit (PEL, 1989 Table Z-1-A values or	Not established
Ventilation	Use adequate general or local exhaust ventilation to keep airborne concentration low.
Respiratory Protection	Any particulate respirator in dusty atmospheres.
Eye Protection	Safety glasses/chemical goggles. Eye was stations are desirable near use areas.
Skin Protection	Any rubber or vinyl gloves
General	Other protective equipment such as face shields, aprons, rubber boots, or rubber suits.
Recommended Decontamination Facilities	Water washing facilities.

9 - Physical and Chemical Properties

Physical and Chemical Properties	
Physical Form	White crystalline flakes or powder
Odor	Essentially odorless
Specific Gravity	1.450-1.455 (26 C)
Vapor Pressure	Not applicable.
Vapor Density (Air = 1)	Not applicable.
Evaporation Rate	Not applicable.
% Volatiles	0
Boiling Point	248 C (478 F)
Freezing Point	108-110 C (225-230 F)
Viscosity	Not applicable.
Solubility in Water	33.9% w/w at 79 F
Flammability Properties	See section 5

10 - Stability and Reactivity

Stability	Stable under normal temperature and storage conditions.
Materials to Avoid	Strong oxidizing agents, perchloric acid and perchlorates
Hazardous Decomposition Products	Sulfur dioxide and carbon monoxide fumes can be evolved.
Hazardous Polymerization	Will not occur

11 - Toxicological Information

Acute Toxicity Data	Oral LD-50 (male rat): 17,000 mg/kg
Inhalation	Not available
Skin	Not available
Eyes	Not available
Chronic/Subchronic Toxicity Data	Not available
Mutagenicity	Not available
Reproduction	Not available
Teratology	Not available
Carcinogenicity	None of the components present in this material at concentrations equal or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

12 - Ecological Information

Aquatic Toxicity	Not available
Chemical Fate Information	Not available

13 - Disposal Considerations

Disposal Methods	See section 6. Consult federal, state or local authorities for proper disposal procedures.

14 - Transport Information

DOT (USA) Status	
Proper Shipping Name	Chemical, NOS (Methyl Sulfonyl Methane)
Hazard Class	Not hazardous by DOT Regulations in 49CFR
UN/NA Number	Not available
Reportable Quantity	N/A
DOT Placards	None
DOT Labels	None
Quantity Limitations	None

15 - Regulatory Information

Regulatory Information

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

OSHA Hazardous Chemicals	Dimethyl Sulfone
IARC	Not listed
ACGIH	Not listed
NTP	Listed
Reporting Requirements of Section 313 or Title III of the superfund Amendments	None
TSCA	This product is listed on the TSCA inventory.
EC Classifications and User Label Information (Council Directive 67/548/EEC)	Hazard Symbols and Risk Phrases:

16 - Other Information

Labeling and Packing of Substances and Mixtures

All followed EU Regulation 1907/EC as amended classification acc. Regulation EC No. 1272/2008.

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