



SAFETY DATA SHEET

HCS-2012 APPENDIX D TO §1910.1200

Version 1
Product Name Methyl Sulfonyl Methane

Issue Date 04-Jun-2015
Revision date 04-Jun-2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name	Methyl Sulfonyl Methane
Chemical Name	Dimethyl sulfone
Chemical formula	C ₂ H ₆ O ₂ S

Other means of identification

No information available

Recommended use of the chemical and restrictions on use

Recommended Use	Inorganic and organic substances used as high temperature solvents, organic chemicals, food additives and health products raw materials, also used gas chromatography stationary phase (maximum use temperature of 30 °C, the solvent is acetone) and analytical reagents.
Uses advised against	No information available

Details of the supplier of the safety data sheet

Supplier	HUBEI XINGFA CHEMICALS GROUP CO., LTD.
Address	A810 San Xia Shangcheng 52-1 Jiefang Road, Yichang, Hubei, China
Postal Code	443000

Distributor	Chemistry Connection LLC
Address	253 Sturgis Road Conway Arkansas USA 72034
Phone	(501) 470-9689
E-mail	contact@thechemistryconnection.com

Emergency telephone number

(800) 424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

Not classified

Label elements

Symbols/Pictograms	None
Signal word	None
Hazard Statements	Not classified
Precautionary Statements	
Prevention	None
Response	None
Storage	None
Disposal	None

Hazards not otherwise classified (HNOC)

No information available

Unknown acute toxicity

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature Substance

Chemical Name	CAS No	Weight-%
Dimethyl sulfone	67-71-0	≥99.80

4. FIRST AID MEASURES**Description of first aid measures**

- General advice Immediate medical attention is not required.
- Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Skin Contact No special technical protective measures are necessary.
- Eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Most important symptoms and effects, both acute and delayed

- No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Extinguishing media**

- Suitable extinguishing media Foam, dry powder, CO2 water spray jet
- Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical

- Thermal decomposition can lead to release of irritating and toxic gases and vapors

Protective equipment and precautions for firefighters

- Use personal protective equipment as required.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas
Avoid causing dust. Wear protective clothing.

Methods and material for containment and cleaning up

Take up mechanically. Rinse away residues with water. Dispose of contaminated material in accordance with the safety regulations

7. HANDLING AND STORAGE**Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice
Ensure adequate ventilation, especially in confined areas
Remove all sources of ignition

Use personal protection recommended in Section 8

Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place
Keep away from heat, sparks, flame and other sources of ignition

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

No information available

Appropriate engineering controls

Provide emergency on-site eyewash and showers. Provide enough ventilation in the working areas.

Individual protection measures, such as personal protective equipment

Respiratory protection	Use suitable protective equipment to avoid breathing in dust.
Hand Protection	Wear suitable gloves.
Eye/face protection	Safety goggles.
Skin and body protection	Wear a long-sleeved shirt.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Solid
Color	White
Odor	Odorless
Odor Threshold	Not determined
pH	4.1- 4.7
Melting point/freezing point	107~109°C
Boiling point / boiling range	238°C
Flash point	143°C
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Flammability Limit in Air	Not determined
Vapor Pressure	Not applicable
Vapor density	Not determined
Density	1.16 g/cm ³
Relative density	Not determined
Bulk density	Not determined
Specific gravity	Not determined
Water solubility	Not determined
Partition coefficient (LogPow)	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

Other information

No information available

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions.

Chemical stability

Highly stable product compatible with the materials usually employed in industrial plants.

Possibility of Hazardous Reactions

- None known

Conditions to avoid

- None known

Incompatible materials

- None

Hazardous Decomposition Products

- None.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure****Product Information**

Inhalation	Not an expected route of exposure.
Eye contact	Not an expected route of exposure.
Skin Contact	Not an expected route of exposure.
Ingestion	Not an expected route of exposure.

Information on toxicological effects**Acute toxicity**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethyl sulfone (CAS #: 67-71-0)	> 5 g/kg (Rat)	> 5 g/kg (Rabbit)	-

Skin corrosion/irritation

Non-irritating to the skin

Serious eye damage/eye irritation

No eye irritation

Sensitization

No information available

Germ cell mutagenicity

No information available

Carcinogenicity

No information available

Reproductive toxicity

No information available

STOT - single exposure

No information available

STOT - repeated exposure

No information available

Aspiration hazard

No information available

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available

Persistence and degradability

No information available

Bioaccumulative potential

No information available

Mobility in soil

No information available

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated packaging

Dispose of in accordance with federal, state and local regulations

14. TRANSPORT INFORMATION**DOT**

UN/ID No.	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
Special precautions	No information available
Marine pollutant	Not applicable

15. REGULATORY INFORMATION**International Inventories**

Component	AICS	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	TSCA
Dimethyl sulfone (CAS #: 67-71-0)	X	X	X	X	X	X	X	X

"- " Not Listed

"X" Listed

US Federal Regulations**SARA 313**

No information available

SARA 311/312 Hazard Categories

No information available

CWA (Clean Water Act)

No information available

CERCLA

No information available

US State Regulations**California Proposition 65**

No information available

U.S. State Right-to-Know Regulations

No information available

16. OTHER INFORMATION**Revision Note**

Issue Date	04-Jun-2015
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Revision Note	Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet**TWA** - TWA (time-weighted average)**STEL** - STEL (Short Term Exposure Limit)**Ceiling** - Maximum limit value**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**Disclaimer**

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