Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Section 1: Identification

Product Name Methylsulfonylmethane
Commercial Name Dimethyl Sulfone
Product Use Laboratory chemicals, manufacture of substances
Restrictions On Use N/A

Product Code 30-5191

Company
PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: CFR 1910.1200 Not a hazardous substance or mixture.

Signal Word NON-HAZARDOUS

Hazard Statement(s) Hazards not otherwise classified (HNOC) or not covered by GHS - none

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention N/A
Response N/A
Storage N/A
Disposal N/A

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Methylsulfonylmethane
% By Weight N/A
CAS# 67-71-0
Molecular Weight 94.13
Chemical Formula C2H6O2S
Synonym(s) N/A

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Methylsulfonylmethane	67-71-0	N/A	N/A	N/A

Section 4: First-Aid Measures

Inhalation If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Skin Contact Wash off with soap and plenty of water.

Eye Contact Flush eyes with water as a precaution

Ingestion Never give anything by mouth to an unconscious person. Rinse mouth with water.

Symptoms/Effects

Acute The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Delayed The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Immediate Medical Attention

No data available

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable Extinguishing Media

N/A

Products of Combustion

Carbon oxides, sulphur oxides

Firefighters Special Equipment and Precautions

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: avoid dust formation: Avoid breathin vapours, mist or gas. For personal protection see section 8. Environmental precautions: No special environmental precautions required. Methods and materials for containment and cleaning up: sweep up and shovel. Keep in suitable, closed containers for disposal. Reference to other sections: For disposal see section 13.

Section 7: Handling and Storage

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2 Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Store at room temperature. Storage class (TRGS 510): Non comsutible solids. Specific end use(s): Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8: Exposure Controls/Personal Protection

Exposure Limits N/A

Engineering Controls General industrial hygiene practice.

Personal Protection Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection: Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Control of environmental exposure: No special environmental precautions required.

Section 9: Physical and Chemical Properties

Appearance	Form: crystalline; Colour: colourless
Odor	N/A
Odor Threshold	N/A

Melting Point	N/A	**pH**	N/A
Freezing Point	N/A	**Vapor Pressure**	N/A
Boiling Point/Range	238°C at 1013 hPa	**Vapor Density**	N/A
Decomposition temperature	N/A	**Viscosity**	N/A
Partition Coefficient: n-octanol/water	N/A	**Evaporation Rate**	N/A
Flash Point	143.00°C - closed cup	**Autoignition temperature**	N/A
Flammability	N/A	**Flammability or Explosive Limits:**	
		Lower	N/A
		Upper	N/A

Solubility(ies)	N/A
Other	No data available

Section 10: Stability and Reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	N/A
Conditions to Avoid	N/A
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions. -Carbon oxides, sulphur oxides. Other decomposition products - No data available. In the event of fire: see section 5

Section 11: Toxicological Information

RTECS Not available

Acute Toxicity
LD50 Oral - Rat - >5,000mg/kg (Dimethyl sulphone) LD50 Dermal - Rabbit - >5,000mg/kg (Dimethyl sulphone)

Skin Corrosion/Irritation
No data available (Dimethyl sulphone)

Serious Eye Damage/Irritation
No data available (Dimethyl sulphone)

Respiratory or Skin Sensitization
No data available (Dimethyl sulphone)

Germ Cell Mutagenicity
No data available (Dimethyl sulphone)

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive Toxicity
No data avilable (Dimethyl sulphone)

Routes of Entry
N/A

Symptoms Related to Exposure
No data avilable (Dimethyl sulphone)

Potential Health Effects
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (Dimethyl sulphone)

Target Organ(s) No data avilable (Dimethyl sulphone)

Section 12: Ecological Information

Ecotoxicity
No data available

Persistance and Degradability
No data available

Bioaccumulative Potential
No data available

Mobility in Soil
No data available (Dimethyl sulphone)

Other Adverse Effects
No data available

Section 13: Disposal Considerations

Waste Disposal
Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of Container
Dispose of as unused product

Other Considerations
N/A

Section 14: Transport Information

DOT Classification
Not dangerous goods. Environmental hazards: no. Special precautions for user: no data available.

Section 15: Regulatory Information

Regulations
Safety, health and environmental regulations.legislation specific for the substance or mixture: This safety datasheet complies with the requirments of Regulation (EC) No. 1907/2006.

Other
Chemical safety assessment: For this product a chemical safety assessment was not carried out.

Section 16: Other Information

N/A