

# **DOTAP Methyl Sulfate**Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### **SECTION 1: Identification**

### Identification

: Substance Product form

Trade name : DOTAP Methyl Sulfate

CAS-No. : 144189-73-1 Product code : 14475-MS

### Recommended use and restrictions on use

Recommended use : Use as laboratory reagent, Manufacture of substances

### 1.3. **Supplier**

### Supplier

Kyfora Bio 767 Electronic Drive Horsham, PA 19044 - United States T (215) 343-6484 www.kyforabio.com

### **Emergency telephone number**

**Emergency number** : 24-hour emergency phone number ChemTel 1-800-255-3924

### SECTION 2: Hazard(s) identification

### Classification of the substance or mixture

### **GHS US classification**

Not classified

### 2.2. GHS Label elements, including precautionary statements

### GHS US labeling

No labeling applicable

### Other hazards which do not result in classification

No additional information available

### 2.4. **Unknown acute toxicity (GHS US)**

Not applicable

## **SECTION 3: Composition/Information on ingredients**

### **Substances** 3.1.

Name	Product identifier	%	GHS US classification
DOTAP Methyl Sulfate (Main constituent)	(CAS-No.) 144189-73- 1	≤ 100	Not classified

Full text of hazard classes and H-statements : see section 16

### 3.2. **Mixtures**

Not applicable

### **SECTION 4: First-aid measures**

### **Description of first aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

### Most important symptoms and effects (acute and delayed)

No additional information available

### Immediate medical attention and special treatment, if necessary

Treat symptomatically.

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### SECTION 5: Fire-fighting measures

### Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

#### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of

: Toxic fumes may be released.

fire

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting

: Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

### 6.1.1. For non-emergency personnel

**Emergency procedures** : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment

: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. **Environmental precautions**

Avoid release to the environment.

### Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

: Dispose of materials or solid residues at an authorized site. Other information

### Reference to other sections

For further information refer to section 13.

### **SECTION 7: Handling and storage**

### Precautions for safe handling

Precautions for safe handling

: Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures

: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### Conditions for safe storage, including any incompatibilities

Storage conditions : Store at -20 deg. C. Keep cool. Store in a well-ventilated place.

### **SECTION 8: Exposure controls/personal protection**

### **Control parameters**

### DOTAP Methyl Sulfate (144189-73-1)

No additional information available

## Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

### Hand protection:

Protective gloves

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

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In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment symbol(s):



### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Physical state : Solid
Appearance : powder.
Color : white

Odor No data available Odor threshold No data available : No data available рΗ Melting point No data available Freezing point : Not applicable Boiling point No data available Flash point Not applicable Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) Non flammable. : No data available Vapor pressure Relative vapor density at 20°C : No data available Relative density : No data available

Molecular mass : 774.2

Solubility : No data available Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : Not applicable Decomposition temperature : No data available Viscosity, kinematic No data available Viscosity, dynamic No data available **Explosion limits** : Not applicable Explosive properties : No data available Oxidizing properties No data available

### 9.2. Other information

No additional information available

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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### **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (inhalation) : Not classified Skin corrosion/irritation : Not classified Serious eye damage/irritation : Not classified Respiratory or skin sensitization Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified : Not classified STOT-repeated exposure

## **SECTION 12: Ecological information**

### 12.1. Toxicity

Aspiration hazard Viscosity, kinematic

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse

effects in the environment.

: Not classified

: No data available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

### **SECTION 13: Disposal considerations**

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## **SECTION 14: Transport information**

### **Department of Transportation (DOT)**

In accordance with DOT

Not applicable

### **Transportation of Dangerous Goods**

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

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### SECTION 15: Regulatory information

### 15.1. US Federal regulations

No additional information available

### 15.2. International regulations

### **CANADA**

### **EU-Regulations**

### **National regulations**

No additional information available

### 15.3. US State regulations

## **SECTION 16: Other information**

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SDS US (GHS HazCom 2012)

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