

# SAFETY DATA SHEET



## Dimethyl sulphate

Version	Revision Date:	SDS Number:	Date of last issue: 2023/04/21
12.1	2023/10/31	1326258-00042	Date of first issue: 2017/02/27

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Dimethyl sulphate

SDS-Identcode : 130000000491

#### Manufacturer or supplier's details

Company : The Chemours Malaysia Sdn. Bhd.

Address : Sovereign Plaza, 21 st Floor, M17, Jl. T.B. Simatupang, Kav.  
36  
Jakarta 12430 Indonesia

Telephone : 021 2939 8815

Emergency telephone number : 001-803-017-9114 (toll free)

Telefax : 021 2939 8817

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

Recommended use : Intermediate

Restrictions on use : For industrial use only.

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute toxicity (Oral) : Category 3

Acute toxicity (Inhalation) : Category 1

Skin corrosion/irritation : Category 1B

Serious eye damage/eye irritation : Category 1

Skin sensitisation : Category 1

Germ cell mutagenicity : Category 2

Carcinogenicity : Category 1B

Specific target organ toxicity - single exposure : Category 3

#### GHS label elements

# SAFETY DATA SHEET



## Dimethyl sulphate

Version	Revision Date:	SDS Number:	Date of last issue:
12.1	2023/10/31	1326258-00042	2023/04/21
			Date of first issue: 2017/02/27

---

Hazard pictograms



Signal word

: Danger

Hazard statements

: H301 Toxic if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H330 Fatal if inhaled.  
H335 May cause respiratory irritation.  
H341 Suspected of causing genetic defects.  
H350 May cause cancer.

Precautionary statements

: **Prevention:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe mist or vapours.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P284 Wear respiratory protection.

**Response:**

P301 + P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/ doctor.  
P303 + P361 + P353 + P310 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. Immediately call a POISON CENTER/ doctor.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage:**

P405 Store locked up.

# SAFETY DATA SHEET



## Dimethyl sulphate

Version 12.1	Revision Date: 2023/10/31	SDS Number: 1326258-00042	Date of last issue: 2023/04/21 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards which do not result in classification

Vapours may form explosive mixture with air.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	: Substance
Substance name	: Dimethyl sulfate
CAS-No.	: 77-78-1

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Dimethyl sulfate	77-78-1	$\geq 60$ - $\leq 100$
Methyl hydrogen sulphate	75-93-4	$\geq 0.1$ - $< 1$

## 4. FIRST AID MEASURES

General advice	: In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
In case of skin contact	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.
If swallowed	: If swallowed, DO NOT induce vomiting. If vomiting occurs have person lean forward. Call a physician or poison control centre immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

# SAFETY DATA SHEET



## Dimethyl sulphate

Version 12.1	Revision Date: 2023/10/31	SDS Number: 1326258-00042	Date of last issue: 2023/04/21 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

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Most important symptoms and effects, both acute and delayed : Irritation  
Oedema  
Swelling of tissue  
Shortness of breath  
Vomiting  
Diarrhoea  
Headache  
Fever  
Redness  
Rash  
Inflammation  
Circulatory collapse  
Convulsions  
Jaundice  
Toxic if swallowed.  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Fatal if inhaled.  
May cause respiratory irritation.  
Suspected of causing genetic defects.  
May cause cancer.  
Causes severe burns.  
Causes digestive tract burns.

Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).

Notes to physician : Treat symptomatically and supportively.

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### 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Do not use a solid water stream as it may scatter and spread fire.  
Flash back possible over considerable distance.  
Vapours may form explosive mixtures with air.  
Exposure to combustion products may be a hazard to health.

Hazardous combustion products : Sulphur oxides  
Carbon oxides

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

# SAFETY DATA SHEET



## Dimethyl sulphate

Version 12.1	Revision Date: 2023/10/31	SDS Number: 1326258-00042	Date of last issue: 2023/04/21 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Evacuate personnel to safe areas.  
Only trained personnel should re-enter the area.  
Remove all sources of ignition.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Non-sparking tools should be used.  
Soak up with inert absorbent material.  
Suppress (knock down) gases/vapours/mists with a water spray jet.  
For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### 7. HANDLING AND STORAGE

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : If sufficient ventilation is unavailable, use with local exhaust ventilation.

Advice on safe handling : Do not get on skin or clothing.  
Do not breathe mist or vapours.  
Do not swallow.

# SAFETY DATA SHEET



## Dimethyl sulphate

Version	Revision Date:	SDS Number:	Date of last issue:
12.1	2023/10/31	1326258-00042	2023/04/21
			Date of first issue: 2017/02/27

Do not get in eyes.  
Wash skin thoroughly after handling.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Keep container tightly closed.  
Keep away from water.  
Protect from moisture.  
Already sensitised individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respiratory irritants or sensitisers.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Take precautionary measures against static discharges.  
Do not eat, drink or smoke when using this product.  
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labelled containers.  
Store locked up.  
Keep tightly closed.  
Keep in a cool, well-ventilated place.  
Store in accordance with the particular national regulations.  
Keep away from heat and sources of ignition.

Materials to avoid : Do not store with the following product types:  
Self-reactive substances and mixtures  
Organic peroxides  
Oxidizing agents  
Explosives

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Dimethyl sulfate	77-78-1	NAB	0.1 ppm 0.52 mg/m <sup>3</sup>	ID OEL
Further information: Confirmed animal carcinogen., Skin				
		TWA	0.1 ppm	ACGIH

#### Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Methanol	67-56-1	NAB	200 ppm	ID OEL

# SAFETY DATA SHEET



## Dimethyl sulphate

Version 12.1      Revision Date: 2023/10/31      SDS Number: 1326258-00042      Date of last issue: 2023/04/21  
Date of first issue: 2017/02/27

	Further information: Skin			
		PSD	250 ppm	ID OEL
	Further information: Skin			
		TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
Sulphuric acid	7664-93-9	TWA (Thoracic particulate matter)	0.2 mg/m <sup>3</sup>	ACGIH

**Engineering measures** : Processing may form hazardous compounds (see section 10).  
Minimize workplace exposure concentrations.  
If sufficient ventilation is unavailable, use with local exhaust ventilation.

### Personal protective equipment

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

Filter type : Self-contained breathing apparatus

Hand protection  
Material : butyl-rubber

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday. Breakthrough time is not determined for the product. Change gloves often!

Eye protection : Wear the following personal protective equipment:  
Chemical resistant goggles must be worn.  
If splashes are likely to occur, wear:  
Face-shield

Skin and body protection : Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.  
Wear the following personal protective equipment:  
If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing.  
Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the work-

# SAFETY DATA SHEET



## Dimethyl sulphate

Version 12.1	Revision Date: 2023/10/31	SDS Number: 1326258-00042	Date of last issue: 2023/04/21 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

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ing place.  
When using do not eat, drink or smoke.  
Contaminated work clothing should not be allowed out of the workplace.  
Wash contaminated clothing before re-use.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: colourless
Odour	: odourless
Odour Threshold	: No data available
pH	: No data available
Melting point/freezing point	: No data available
Solidification / Setting point	-32 °C
Initial boiling point and boiling range	: 189 °C (1,013 hPa)
Flash point	: 83 °C  Method: Tag closed cup
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Flammability (liquids)	: Ignitable (see flash point)
Upper explosion limit / Upper flammability limit	: 23.2 %(V)
Lower explosion limit / Lower flammability limit	: 3.6 %(V)
Vapour pressure	: 0.93 hPa (25 °C)
Relative vapour density	: No data available
Relative density	: 1.33 (20 °C)

# SAFETY DATA SHEET



## Dimethyl sulphate

Version 12.1	Revision Date: 2023/10/31	SDS Number: 1326258-00042	Date of last issue: 2023/04/21 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

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Solubility(ies)	
Water solubility	: 28 g/l hydrolyses (18 °C)
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: 495 °C
Decomposition temperature	: No data available
Viscosity	
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Particle size	: Not applicable

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### 10. STABILITY AND REACTIVITY

Reactivity	: Not classified as a reactivity hazard.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Combustible liquid. Vapours may form explosive mixture with air. Can react with strong oxidizing agents. Hazardous decomposition products will be formed upon contact with water or humid air.
Conditions to avoid	: Exposure to moisture Heat, flames and sparks.
Incompatible materials	: Oxidizing agents Water

#### Hazardous decomposition products

Contact with water or humid air	: Methanol Sulphuric acid
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### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation Skin contact Ingestion Eye contact
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# SAFETY DATA SHEET



## Dimethyl sulphate

Version 12.1	Revision Date: 2023/10/31	SDS Number: 1326258-00042	Date of last issue: 2023/04/21 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

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### Acute toxicity

Toxic if swallowed.  
Fatal if inhaled.

#### Product:

Acute oral toxicity : Acute toxicity estimate: 100.11 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 0.0451 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

#### Components:

##### **Dimethyl sulfate:**

Acute oral toxicity : LD50 (Rat): > 85.1 - 106.4 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0.045 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Assessment: Corrosive to the respiratory tract.

##### **Methyl hydrogen sulphate:**

Acute oral toxicity : LD50 (Rat): > 50 - 300 mg/kg  
Remarks: Based on data from similar materials

Acute inhalation toxicity : LC50 (Rat): > 0.01 - 0.05 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Assessment: Corrosive to the respiratory tract.  
Remarks: Based on data from similar materials

### Skin corrosion/irritation

Causes severe burns.

#### Components:

##### **Dimethyl sulfate:**

Species : Rabbit  
Result : Corrosive after 3 minutes to 1 hour of exposure

##### **Methyl hydrogen sulphate:**

Species : Rabbit  
Result : Corrosive after 3 minutes to 1 hour of exposure  
Remarks : Based on data from similar materials

# SAFETY DATA SHEET



## Dimethyl sulphate

Version	Revision Date:	SDS Number:	Date of last issue: 2023/04/21
12.1	2023/10/31	1326258-00042	Date of first issue: 2017/02/27

---

### Serious eye damage/eye irritation

Causes serious eye damage.

#### Components:

##### Dimethyl sulfate:

Species	:	Rabbit
Result	:	Irreversible effects on the eye

##### Methyl hydrogen sulphate:

Species	:	Rabbit
Result	:	Irreversible effects on the eye
Remarks	:	Based on data from similar materials

### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### Respiratory sensitisation

Not classified based on available information.

#### Components:

##### Dimethyl sulfate:

Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Result	:	positive

Assessment	:	Probability or evidence of skin sensitisation in humans
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##### Methyl hydrogen sulphate:

Test Type	:	Local lymph node assay (LLNA)
Exposure routes	:	Skin contact
Species	:	Mouse
Result	:	positive

Assessment	:	Probability or evidence of skin sensitisation in humans
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### Germ cell mutagenicity

Suspected of causing genetic defects.

#### Components:

##### Dimethyl sulfate:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Result: positive
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	:	Test Type: Chromosome aberration test in vitro Result: positive
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# SAFETY DATA SHEET



## Dimethyl sulphate

Version	Revision Date:	SDS Number:	Date of last issue: 2023/04/21
12.1	2023/10/31	1326258-00042	Date of first issue: 2017/02/27

---

Test Type: In vitro sister chromatid exchange assay in mammalian cells  
Result: positive

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Ingestion  
Result: positive

Germ cell mutagenicity - Assessment : Positive result(s) from in vivo mammalian somatic cell mutagenicity tests.

### Methyl hydrogen sulphate:

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Ingestion  
Result: positive  
Remarks: Based on data from similar materials

Germ cell mutagenicity - Assessment : Positive result(s) from in vivo mammalian somatic cell mutagenicity tests.

### Carcinogenicity

May cause cancer.

### Components:

#### Dimethyl sulfate:

Species : Rat  
Application Route : inhalation (vapour)  
Exposure time : 15 Months  
Result : positive

Carcinogenicity - Assessment : Sufficient evidence of carcinogenicity in animal experiments

#### Methyl hydrogen sulphate:

Species : Rat  
Application Route : inhalation (vapour)  
Exposure time : 15 Months  
Result : positive  
Remarks : Based on data from similar materials

Carcinogenicity - Assessment : Sufficient evidence of carcinogenicity in animal experiments

# SAFETY DATA SHEET



## Dimethyl sulphate

Version 12.1	Revision Date: 2023/10/31	SDS Number: 1326258-00042	Date of last issue: 2023/04/21 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

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### Reproductive toxicity

Not classified based on available information.

### Components:

#### Dimethyl sulfate:

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: inhalation (dust/mist/fume)  
Result: negative

#### Methyl hydrogen sulphate:

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: inhalation (dust/mist/fume)  
Result: negative  
Remarks: Based on data from similar materials

### STOT - single exposure

May cause respiratory irritation.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

### Components:

#### Dimethyl sulfate:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 14 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 17 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 46.9 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

NOEC (Desmodesmus subspicatus (green algae)): 10 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

Toxicity to microorganisms : EC50: 376.6 mg/l  
Exposure time: 3 h

# SAFETY DATA SHEET



## Dimethyl sulphate

Version	Revision Date:	SDS Number:	Date of last issue:
12.1	2023/10/31	1326258-00042	2023/04/21
			Date of first issue: 2017/02/27

---

Method: OECD Test Guideline 209

### Methyl hydrogen sulphate:

- Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 10 - 100 mg/l  
Exposure time: 96 h  
Remarks: Based on data from similar materials
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10 - 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: Based on data from similar materials
- Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials
- NOEC (Desmodesmus subspicatus (green algae)): > 1 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Based on data from similar materials
- Toxicity to microorganisms : EC50: > 100 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209  
Remarks: Based on data from similar materials

### Persistence and degradability

#### Components:

##### Dimethyl sulfate:

- Biodegradability : Result: Readily biodegradable.  
Biodegradation: 97 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301E

##### Methyl hydrogen sulphate:

- Biodegradability : Result: Readily biodegradable.  
Method: OECD Test Guideline 301E  
Remarks: Based on data from similar materials

### Bioaccumulative potential

#### Components:

##### Dimethyl sulfate:

- Partition coefficient: n-octanol/water : log Pow: 0.16  
Remarks: Calculation

# SAFETY DATA SHEET



## Dimethyl sulphate

Version 12.1	Revision Date: 2023/10/31	SDS Number: 1326258-00042	Date of last issue: 2023/04/21 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

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### Mobility in soil

No data available

### Other adverse effects

No data available

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## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues	:	Do not dispose of waste into sewer.  Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

UN number	:	UN 1595
Proper shipping name	:	DIMETHYL SULPHATE
Class	:	6.1
Subsidiary risk	:	8
Packing group	:	I
Labels	:	6.1 (8)
Environmentally hazardous	:	no

#### IATA-DGR

Not permitted for transport

#### IMDG-Code

UN number	:	UN 1595
Proper shipping name	:	DIMETHYL SULPHATE
Class	:	6.1
Subsidiary risk	:	8
Packing group	:	I
Labels	:	6.1 (8)
EmS Code	:	F-A, S-B
Marine pollutant	:	no

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

# SAFETY DATA SHEET



## Dimethyl sulphate

Version 12.1	Revision Date: 2023/10/31	SDS Number: 1326258-00042	Date of last issue: 2023/04/21 Date of first issue: 2017/02/27
-----------------	------------------------------	------------------------------	---

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### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

**Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning the Revision of Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.**

### Regulation of the Minister of Health No. 472 of 1996 on the Safeguarding of Substances Hazardous to Health

Hazardous substances that must be registered : Dimethyl sulfate

### Government Regulation No. 74 of 2001 on the Management of Hazardous and Toxic Substances

Hazardous substances approved for use : Dimethyl sulfate

Prohibited substances : Not applicable

Restricted substances : Not applicable

### Regulation of the Ministry of Trade No. 7 of 2022 on Distribution and Control of Hazardous Materials

Type of hazardous materials subject to distribution and control, Annex I : Not applicable

Type of hazardous materials subject to distribution and control, Annex II : Not applicable

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## 16. OTHER INFORMATION

Revision Date : 2023/10/31

Other information : Chemours™ and the Chemours Logo are trademarks of The Chemours Company.  
Before use read Chemours safety information.  
For further information contact the local Chemours office or nominated distributors.

### Further information

Sources of key data used to compile the Safety Data : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen-

# SAFETY DATA SHEET



## Dimethyl sulphate

Version	Revision Date:	SDS Number:	Date of last issue:
12.1	2023/10/31	1326258-00042	2023/04/21
			Date of first issue: 2017/02/27

---

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Date format : yyyy/mm/dd

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
ID OEL : Indonesia. Occupational Exposure Limits

ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
ID OEL / NAB : Long term exposure limit  
ID OEL / PSD : Short term exposure limit

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their

# SAFETY DATA SHEET



## Dimethyl sulphate

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intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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