

	ANSHUL SPECIALTY MOLECULES PVT LTD.			
	TITLE : SDS OF DIMETHYL OXALATE			
	<i>(COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No1907/2006</i>			
	ISSUE NO	02	DEPT	EHS
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	SUPERSEDES	01	REVIEW DATE	31.03.2029

SECTION 01 : Identification of substance and of the company /undertaking

1.1 Product identifiers

Product name : **Dimethyl oxalate**
 Product Number : --
 Brand : Anshul
 REACH No : --
 CAS-No. : 553-90-2

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Application in pharma intermediates , Agrochemicals intermediates and Manufacture of other substances.

1.3 Details of the supplier of the safety data sheet

Company : Anshul Specialty Molecules Pvt.Ltd.
 Flexcel Park ,C-wing ,2nd Floor,S.V.Road,
 Near 24 Karat Multiplex, Jogeshwari (West)
 Mumbai-400 102 ,INDIA

1.4 Emergency telephone number

Emergency Phone # : +91 98194 90645
 +91 88797 10202

SECTION 02 : Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, (Category 4) **H302: Harmful if swallowed.**
 Skin corrosion, (Sub-category 1B) **H314: severe skin burns and eye damage.**
 Serious eye damage, (Category 1) **H318: Causes serious eye damage.**

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram :



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Signal word : Danger

Hazard statement(s)

H302 : Harmful if swallowed.

H314 : Causes severe skin burns and eye damage.

Precautionary statement(s)

P260 : Do not breathe dusts or mists.

P280 : Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P312 : IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.

P303 + P361 + P353 : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P310 : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.

P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard information : None

2.3 **Other hazards** : None

SECTION 03 : Composition / information on ingredients

3.1 **Substance**

Synonyms : : Dimethyl oxalate

Formula : : C₄H₆O₄

Molecular weight : : 118,09 g/mol

CAS-No. : : 553-90-2

EC-No. : : 209-053-6

Component	Classification	Concentration
Dimethyl oxalate		
CAS-No : 553-90-2	Acute Tox. 4; Skin Corr. 1B; Eye	<= 100 %
EC-No. : 209-053-6	Dam. 1; H302, H314, H318	

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SECTION 04 : First aid measures

4.1 Description of first aid measures

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed : Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed : The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed : Treat symptomatically

SECTION 05: FIREFIGHTING MEASURES

Extinguishing Media

5.1 Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture Carbon oxides, Nitrogen oxides (NO_x)

5.3 Explosive Limit No Data available

Lower Explosive Limit :

Upper explosive limit :

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- 5.4 General Information** As in any fire , wear a self - contained breathing apparatus with full face piece operated in a positive pressure mode. NIOSH (approved or equivalent)
- 5.5 Advice for fire-fighters** : Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so.
- 5.6 Further information** : No Data available

SECTION 06: Accidental release measures

- 6.1 Personal precautions** : Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
For personal protection see section 8.
- 6.2 Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
- 6.3 Methods and materials for containment and cleaning up** : Soak up with inert absorbent material and dispose of as hazardous waste.. (e.g. sand, earth, diatomaceous earth, vermiculite. Disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections** : For disposal see section 13.

SECTION 07: Handling and storage

- 7.1 Precautions for safe handling** : Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes.
Avoid inhalation of vapour or mist.

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Keep away from sources of ignition - No smoking.
Take measures to prevent the build up of electrostatic charge.
For precautions see section 2.2..

- 7.2 Conditions for safe storage, including any incompatibilities** : Keep container tightly closed. Store at Ambient temperature
- 7.3 Specific end use(s)** : Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 08: Exposure controls / personal protection

- 8.1 Control parameters** : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep air borne concentrations low
- 8.2 Exposure controls** : **Appropriate engineering controls**
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product

Personal Protective Equipment

Eyes /Face Protection : Wear Chemical Safety Goggles.
Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



Hand protection : Wear appropriate protective gloves to prevent skin expose.
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 satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.



Body Protection : Wear a chemical apron. Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

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Respiratory protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure : Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Discharge into the environment must be avoided.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance : Crystalline Colorless
- b) Odour : No data available,
- c) Odour Threshold : No data available,
- d) pH : No data available,
- e) Melting point/ freezing point : 50 - 54 °C - lit
- f) Boiling point : No data available,
- g) Flash Point : 75 °C - closed cup
- h) Auto Ignition temp : No data available,
- i) Evaporation rate : No data available,
- j) Flammability (Solid, gas) : No data available,
- k) Upper Explosive Limits (LEL) : No data available,
- Lower Explosive Limit (UEL) :
- l) Vapour pressure : No data available,
- m) Vapour density : No data available,
- n) Relative density : 1,148 g/cm³ at 25 °C - lit.
- o) Water solubility : No data available,
- p) Partition coefficient: n-octanol : No data available,
- /water
- q) Decomposition : No data available,
- temperature
- r) Viscosity : No data available,
- s) Explosive properties : No data available,
- t) Oxidizing properties : No data available,

9.2 Other safety information

Relative vapour density : No data available,

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SECTION 10: Stability and reactivity

- 10.1 Reactivity** : Forms explosive mixtures with air on intense heating.
- 10.2 Chemical stability** : The product is chemically stable under standard ambient conditions
- 10.3 Possibility of hazardous reaction** : Violent reactions possible with:
 Strong oxidizing agents
 Bases
 Reducing agents
 acids
- 10.4 Conditions to avoid** : Strong heating
- 10.5 Incompatible materials** : Strong Oxidizing agents
- 10.6 Hazardous decomposition products** : Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO_x)
 Other decomposition products - No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

- Acute Toxicity** : LD50 Oral - Rat - male and female - 1.569 mg/kg
 (OECD Test Guideline 401)
 Inhalation: No data available
 Dermal: No data available
- Skin corrosion / irritation** : Skin - Rabbit
 Result: Corrosive
- Serious Eye damage / Eye irritation** : No data available
- Germ cell mutagenicity** : Test Type: in vitro test
 Test system: S. typhimurium
 Metabolic activation: with and without metabolic activation
 Result: negative
 Remarks: (ECHA)
 Test Type: in vitro test
 Test system: E. coli

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Metabolic activation: with and without metabolic activation

Result: negative

Remarks: (ECHA)

Carcinogenicity
IARC, OSHA, ACGIH, NTP
EPA classification. :

No data available

Reproductive toxicity : No data available

TLV : No data available
STEL : No data available

Specific target organ toxicity -
single exposure : No data available

Specific target organ toxicity -
repeated exposure : No data available

Aspiration hazard : No data available

Additional Information :

Endocrine disrupting properties

Product: Assessment

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

RTECS: RO2850000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity : No data available

Fish:

Crustacea

Algae:

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ADR/RID: 8

IMDG: 8

IATA : 8



14.4 Packaging group

ADR/RID: III

IMDG: III

IATA : III

14.5 Environmental hazards

ADR/RID: no

IMDG -Marine pollutant : no

IATA :no

14.6 Special precautions for user

No data available

SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

SECTION 16: Other Information

16.1 The above information is believed to be accurate and represents the best information currently available to us. However we make no warranty of merchantability or any other warranty, express or implied, with respect to such information and we assume no liability resulting from it's use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall ANSHUL SPECIALTY MOLECULES PVT. LTD. be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from use or reliance upon this information.
