

ANSHUL SPECIALTY MOLECULES PVT LTD.					
	TITLE : SDS OF OXALYL CHLORIDE				
	<i>(COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006)</i>				
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SECTION 01 : IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY /UNDERTAKING

1.1 Product identifiers

Product name : OXALYL CHLORIDE (Ethanediol dichloride)
 Product Number : --
 Company/Brand : ANSHUL
 REACH No : 01-2119955690-32-0001
 CAS-No. : 79-37-8

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

Identified uses : Application in pharma intermediates , Agrochemicals intermediates and Manufacturer 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 : HAZARD IDENTIFICATION

2.1 **Classification of the substance or mixture** : Classification according to Regulation (EC) No 1272/2008
 Acute toxicity, Inhalation (Category 3), H331
 Skin corrosion (Category 1B), H314
 Specific target organ toxicity - single exposure (Category 3),
 Respiratory system, H335

2.2 Label elements

Labeling according Regulation (EC) No 1272/2008

Pictogram :



Signal word :

GHS05 GHS06
 Danger

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Hazard statements**H 314** : Causes severe skin burns and eye damage.**H 331** : Toxic if inhaled**H 335** : May cause respiratory irritation.**Precautionary statements****P 223** : Do not allow contact with water**P 231 +232** : Handle under inert gas . Protect from moisture.**P 280** : Wear protective gloves/ protective clothing/ eye protection/ face protection**P301 + P330 + P331** : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.**P303 + P361 + P353** : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water**P304 + P340 + P311** : IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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**Supplemental Hazard information (EU)****EUH 014** : Reacts violently with water**EUH 029** : Contact with water liberates toxic gas**EUH 071** : Corrosive to the respiratory tract.

2.3 Other hazards : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Reacts violently with water., Contact with water liberates toxic gas

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Classification system: :

NFPA ratings (scale 0 - 4) :

HEALTH 3
FIRE = 0
REACTIVITY :2
W WATER REACTIVE



HMIS-ratings (scale 0 - 4) :

HEALTH 3
FIRE = 0
REACTIVITY :2
W WATER REACTIVE

SECTION 03 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Synonyms : : Ethanedioyl dichloride
Formula : : C₂Cl₂O₂
Molecular weight : : 126.93 g/mol
CAS-No. : : 79-37-8
EC-No. : : 201-200-2

Component	Classification	Concentration
Oxalyl chloride	Water-react. 1; Acute Tox.3; Skin Corr. 1B; Eye Dam. 1; STOT SE 3; , H314, H331 H335	<= 100 %
Phosgene	Press. Gas ; Acute Tox. 2;Skin Corr. 1B; , H330, H314	>= 0,1 - < 1 %

SECTION 04 : FIRST AID MEASURES

4.1 Description of first aid measure

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

If inhaled : Remove from exposure to fresh air . If not breathing give artificial respiration. If breathing is difficult ,give artificial respiration. Consult a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately. Wash off

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with soap and plenty of water. Take victim immediately to hospital. Wash clothing before reuse. . Consult a physician.

In case of eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally lifting the upper and lower eyelids. . 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 labeling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed : No data available

SECTION 05: FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media : Dry Chemical powder, Dry sand

Unsuitable extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture Carbon oxides, Hydrogen chloride gas

5.3 Flash Point : No data available

5.4 Auto ignition temp : No data available

5.5 Explosive Limit

Lower Explosive Limit : No data available

Upper explosive limit : No data available

5.6 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)

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- 5.7 Special advice to fire fighters** : Do not spray water directly on material . Highly water reactive material.
- 5.8 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.

SECTION 06: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions** : Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe 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
- 6.3 Methods and materials for containment and cleaning up** : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Do not flush with water.
- 6.4 Reference to other sections** : For disposal see section 13.

SECTION 07: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** : Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking.
For precautions see section 2.2
- 7.2 Conditions for safe storage, including any incompatibilities** : **STORAGE CONDITION** : Store in tightly closed container. Keep under nitrogen blanket. Store the material at Ambient Temperature
PRECAUTIONARY MEASURES: Containers which are opened shall be kept upright to prevent leakage. Handle and store under inert gas and Keep container tightly closed when

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not in use. **Avoid contact with water.**

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 Controls 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**
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

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

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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**

Appearance	:	Form: liquid, Colourless to Pale yellow
Odour	:	Pungent odour
Odour Threshold	:	No data available
pH	:	No data available
Melting point/freezing point	:	-16 °C
Boiling point	:	62 - 64 °C -
Evaporation rate	:	No data available
Vapour pressure	:	200 kPa at 20°C
Vapour density	:	4.4 - (Air = 1.0)
Density	:	1.46 - 1.48 g/ml at 20°C
Water solubility	:	Highly reactive
Partition coefficient: n-octanol /water	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2 Other safety information

Relative vapour density : 4.38 - (Air = 1.0)

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity** : Reacts violently with water.
Contact with water liberates toxic gas.
- 10.2 Chemical stability** : Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reaction** : Reacts violently with water.
- 10.4 Conditions to avoid** : Exposure to moisture

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- 10.5 Incompatible materials** : Bases, Oxidizing agents, Alcohols
- 10.6 Hazardous decomposition products** : Hazardous decomposition products formed under fire conditions. - Carbon oxides, Hydrogen chloride gas.
Other decomposition products - No data available

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Acute Toxicity** : LC50 Inhalation - Rat - 1 h - 1840 ppm Oxalyl chloride)
- Skin corrosion/irritation** : No data available
- Serious eye damage/irritation** : No data available
- Germ cell mutagenicity** : No data available
- 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
- NTP** :
- Reproductive toxicity** : No data available
- LD50** : No data available
- (Ingestion rats)**
- TLV** : No data available
- STEL** : No data available
- Specific target organ toxicity - single exposure** : May cause respiratory irritation. - Respiratory system
- Acute oral toxicity - If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.
- Acute inhalation toxicity - mucosal irritations, Cough, Shortness of breath, Possible damages:, damage of respiratory tract, Inhalation may lead to the formation of oedemas in the respiratory tract.
- Specific target organ toxicity - repeated exposure** : No data Available
- 11.2 Additional Information** : RTECS: KI2950000 Ethanediol dichloride

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Burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

After absorption:

We have no description of any toxic symptoms.

Decomposition of the substance with tissue moisture.

Other dangerous properties can not be excluded.

This substance should be handled with particular care.

Endocrine disrupting properties: The substance has no endocrine-disrupting properties according to Regulation (EU) 2017/2100

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity** : No data available
Fish:
Crustacea
Algae:
- 12.2 Persistence / degradability** : No data available
- 12.3 Bioaccumulative potential(BCF)** : No data available
- 12.4 Mobility in soil** : No data available
- 12.5 Results of PBT and vPvB assessment** : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- 12.6 Other adverse effects** : Reacts with water to form toxic decomposition products. The following may develop after reaction of the product with water: hydrochloric acid
Discharge into the environment must be avoided.
- 12.7 Endocrine disrupting properties** : 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.

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SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** : **Product**
Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

- 13.2 Contaminated packaging** : Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number**

ADR/RID: - 2922

IMDG: - 2922

IATA -2922

Hazard class Label

**14.2 UN proper shipping name**

ADR/RID: : CORROSIVE LIQUID, TOXIC, N.O.S. (Oxalyl choride)

IMDG: : CORROSIVE LIQUID, TOXIC, N.O.S. (Oxalyl choride)

IATA: : CORROSIVE LIQUID, TOXIC, N.O.S. (Oxalyl choride)

14.3 Transport hazard class(es)

ADR/RID: - 8.Sub Risk 6.1

IMDG: - 8.Sub Risk 6.1

IMDG: -8.Sub Risk 6.1

14.4 Packaging group

ADR/RID: - I

IMDG: - I

IATA : I

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** : This safety datasheet complies with the

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regulations/legislation specific for the substance or mixture

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
