

ANSHUL SPECIALTY MOLECULES PVT LTD.				
TITLE : SDS OF HEXACHLOROACETONE <i>(COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No1907/2006)</i>				
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SECTION 01 : IDENTIFICATION OF SUBSTANCE AND OF THE COMPANY /UNDERTAKING

1.1 Product identifiers

Product name : HEXACHLOROACETONE
 Product Number : --
 Company/Brand : Anshul
 REACH No : --
 CAS-No. : 116 – 16 – 5

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 : HAZARD IDENTIFICATION


2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, (Category 4) H 302: Harmful if swallowed.
 Acute toxicity, (Category 3) H 331: Toxic if inhaled.
 Skin sensitization, (Category 1) H 317: May cause an allergic skin reaction.
 Long-term (chronic) aquatic hazard, (Category 2) H 411: Toxic to aquatic life with long lasting effects


2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram : 

Signal word : Danger

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Hazard statement(s)

H302 : Harmful if swallowed.
H317 : May cause an allergic skin reaction.
H331 : Toxic if inhaled.
H411 ; Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P261 : Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273 : Avoid release to the environment.
P280 : Wear protective gloves.
P301 + P312 : IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell
P302 + P352 : IF ON SKIN: Wash with plenty of water
P304 + P340 + P311 : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor.

Supplemental Hazard : none
Statements

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. (vPvB) at levels of 0.1% or higher.

Ecological information: 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.

Toxicological information: 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.

SECTION 03 : COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substance**

Synonyms : Hexachloro- 2- Propanone

Formula : C₃Cl₆O

Molecular weight : 264,75 g/mol

CAS-No. : 116 – 16 – 5

EC-No. : 204 – 129 – 5

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Component	Classification	Concentration
Hexachloroacetone CAS No : 116-16-5 EC-No : 204-129-5	Acute Tox. 4; Acute Tox. 3; Skin Sens. 1; Aquatic Chronic 2; H302, H331, H317, H411	<= 100 %

SECTION 04 : FIRST AID MEASURES

- General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.
- If inhaled** : After inhalation 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** : After swallowing: immediately make victim drink water (two glasses at most). 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

- 5.1 Extinguishing Media** : Water Foam Carbon dioxide (CO₂) Dry powder
- 5.2 Flash Point** : 113 °C (230° F).

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- 5.4 Explosive Limit** : --
Upper/lower flammability
- 5.5 Special hazards arising from the substance or mixture** : Carbon oxides,
Hydrogen chloride gas Combustible,
Vapors are heavier than air and may spread along floors.
Forms explosive mixtures with air on intense heating,
Development of hazardous combustion gases or vapours possible in the event of fire.
- 5.6 Precautions for firefighters** : 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.
- 5.7 Special protective equipment for fire-fighters** : Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
- 5.8 Further information** : Suppress (knock down) gases/vapours/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.


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** : 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

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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 contact with skin and eyes.
Avoid inhalation of vapour or mist.
For precautions see section 2.2..
- 7.2 Conditions for safe storage, including any incompatibilities** : Keep container tightly closed. Containers which are opened must be carefully resealed and kept upright to prevent leakage.. 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).



Skin 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



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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 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 : Colorless to yellow, refractive liquid
- b) Odour : Slight phenolic odor
- c) Odour Threshold : No data Available
- d) pH : 3,5 at 10 g/l at 21 °C
- e) Melting point/ freezing point : -6 to -3°C
- f) Boiling point : 204 °C @ 760 mm Hg
- g) Evaporation rate : No data Available
- h) Vapour pressure : 0.29 hPa at 20 °C
0.9 hPa at 38 °C
- i) Vapour density : -10

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- j) Relative density : 1.743 g/cm³ at 25 °C
- k) Water solubility : 17.5 g/l at 20 °C - OECD Test Guideline 105.
- l) Partition coefficient: n-octanol /water : No data Available
- m) Decomposition temperature : 217 - 400 °C
- n) Viscosity : No data Available
- o) Explosive properties : No data Available
- p) Oxidizing properties : No data Available

9.2 Other safety information

Relative vapour density : No data Available (Air = 1.0)

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Chemical stability** : Stable under recommended storage conditions.
- 10.2 Possibility of hazardous reaction** : Strong oxidizing agents, Bases
- 10.3 Conditions to avoid** : Incompatible materials, ignition sources , excess heat , electrical sparks.
- 10.4 Incompatible materials** : Strong oxidizing agents, Strong bases, Metals, Gives off hydrogen by reaction with metals.
- 10.5 Hazardous decomposition products** : Hydrogen chloride, Carbon Monoxide, irritating and toxic fumes and gases, Carbon dioxide
- 10.6 Hazardous Polymerization** : Has not been reported

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute Toxicity : LD50 Oral - Rat – 1550 mg/kg
LC50 Inhalation - Rat - 4 h - 5,9 mg/l

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LD50 Dermal - Rabbit – 2980 mg/kg

Skin corrosion / irritation : Slight irritation

Serious Eye damage / Eye irritation : Slight irritation

Germ cell mutagenicity : No data available

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

TLV : No data available

STEL : 0.5 mg/m³

Specific target organ toxicity - single exposure : Systemic effects:
Dizziness, Drowsiness
Damage to: Kidney, Liver
Inhalation of vapors may cause:, Lung oedema
Handle in accordance with good industrial hygiene and safety practice.

Specific target organ toxicity - repeated exposure : No data available


Aspiration hazard : No data available

11.2 Additional Information : RTECS UC2100000
Inhalation of vapors may cause:, Lung edema

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

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SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity**
- Fish:** : Toxicity to fish LC50 - Fish - > 1 - 10 mg/l
Remarks: Information taken from reference works and the literature
- 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 Endocrine disrupting properties**
- Product:** : 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.
- Assessment**

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods** : **Product**
Dispose off in a manner consistent with Federal, State and Local Regulations. 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.

