

# MSDS & Chemical Safety Technical Specification

**Chemical Name :** REMOVER

**Supplier :** Guangzhou Lijie Biological Technology Co., LTD

**Address :** 114, Block 11, Xingfa Plaza, No. 138, Jichang Road, Baiyun District, Guangzhou

**Business Emergency Telephone:** 15217338133

**Effective date:** 25 August 2022

**Fire Emergency Response Telephone :**119

## 1 Composition/information on ingredients

**Description :** Mixture of substances listed below with additions

Ingredients	CAS NO.	含量 (%)
BUTYROLACTONE	96-48-0	40%
PROPYLENE CARBONATE	108-32-7	25%
WATER	7732-18-5	5%
METHYL HYDROXYETHYLCELLULOSE	9032-42-2	15%
BENTONITE	1032-78-9	10.00%
BENTONITE	1032-78-9	5.00%

## 2 Hazards identification

### .NFPA ratings (scale 0 - 4)

Health = 1 ; Fire = 1 ; Reactivity = 0

### .Hazard description :

Xi :Irrita

nt

Xn: Harmfu

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**. Information concerning particular hazards for human and environment :** The product has to be labeled due to the

### calculat

**. Eyes :** Slightly hazardous by the following route of exposure: of eye contact ( Irritant). .

**. Skin:** No known acute effects of this product ion procedure of the “General Classification guideline for preparations Of the EU” in the latest valid version.

**. Routes of Entry :** Eye contact, Inhalation, Ingestion.

**. Potential Acute Health Effects :**

resulting from skin contact , It will irritating damaged skin, and difficult to get rid it, However in light of good industrial hygiene exposure to any chemical should be kept to a minimum.

**. Inhalation :** The volatile smell have a small amount of inhaled will be no risk. much inhaled will irritating respiratory tract.

**. Ingestion :** The product is expected harmful to Ingestion. directly swallowing the product will lead abdominal pain, diarrhea Nausea, loss of appetite etc, and toxic if swallowed.

**. Potential Chronic Health Effects :**

**. CARCINOGENIC EFFECTS :** Not available.

**. MUTAGENIC EFFECTS :** Not available.

**. TERATOGENIC EFFECTS :** Not available.

**. Medical Conditions Aggravated by Overexposure :** There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate any medical condition.

**. Overexposure/ Signs/ Symptoms :** No information available.

### 3 First aid measures

**. After inhalation :** If there have unwell feeling, supply fresh air ; consult doctor in case of complaints.

**. After skin contact :** Wash with water and soap for a few minute.

**. After eye contact :** Immediately flush eyes with plenty of water for a few minutes, occasionally lifting the upper and lower eyelids. If the symptoms can not be eased Get medical aid immediately.

**. After swallowing :** Gargle with water , and to drink enough water or milk to emetic , If symptoms persist consult doctor.

### 4 Fire-fighting measures

**Protective equipment:** Wear fully protective suit. Mouth respiratory protective device. Do not inhale explosion gases or combustion gases.

**. Extinguishing Media:** CO2, sand, extinguishing powder...

**. Flash point :** 85°C

**. Auto ignition Temperature :** Not Applicable.

**. Special fire & explosion hazards :** None.

**. Unusual Fire or Explosion Hazards :** None.

### 5 Accidental release measures

**. Person-related safety precautions :** Wear protective equipment.

**. Measures for environmental protection:** Do not allow much product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

**. Measures for cleaning/collecting**

. Small leak: Mix absorb leaked material with (sand, diatomite, sawdust) then Cleaning and placed into a suitable container handling, and scrub

the area with towel and water.

- . Much leak: Isolation accident area to prevent the leak products to be contaminated , and then to recycling collection the leak products..

### **Handling and storage**

- . **Information for safe handling :** Store in cool, dry place in tightly closed receptacles. Ensure good ventilation/exhaustion at the workplace.
- . **Information about fire - and explosion protection:** Keep ignition sources away , Do not smoke.

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## . Storage

- . Requirements to be met by storerooms and receptacles: Store in a cool location.
- . Information about storage in one common storage facility: Store away from flammable substances.
- . Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles.

## 8 Exposure controls/ personal protection

- . **Ventilation and Engineering controls** : No special ventilation and engineering controls are required.
- . **Respiratory Protection** : No special respiratory protection is required for use of these products. If respiratory protection is needed, use only protection authorized in the U. S. Federal OSHS Standard, applicable U. S. State regulations, or the Canadian CSA standard.
- . **Body Protection** : General protective clothing.
- . **Protective Gloves** : Choose Rubber or plastic gloves with elbow-length gauntlet.
- . **Eye Protection** : Unnecessary , When necessary wear chemical goggles or face shield.

## 9 Physical and chemical properties

<b>. General Informatio</b>	
<b>Form :</b>	Viscous liquid
<b>Color :</b>	Wh
<b>Odor :</b>	Slight Irritating odor
<b>. Change in condition</b>	
<b>Melting point/Melting range :</b>	<0°C
<b>Boiling point/Boiling range :</b>	Not available
<b>. Flash point :</b>	85°C
<b>. Self-igniting :</b>	Not
<b>. Danger of explosion :</b>	Under normal circumstances there is no risk of explosion.
<b>. Density :</b>	
<b>. Relative density :</b>	1.05 (water=1)
<b>. Vapor density :</b>	Not available
<b>. Evaporation rate</b>	Not available
<b>Solubility in/ Miscibility</b>	
<b>with</b>	
<b>Water :</b>	Insoluble
<b>. PH-Value :</b>	Not available
<b>. Viscosity :</b>	
<b>Dynamic :</b>	0.250–0.350 pa. s (25°C)

## 10 Stability and reactivity

- . **Chemical Stability** : The product is stable.
- . **Hazardous Decomposition Products** : The following combustion products may be generated :

carbon dioxide, carbon monoxide, water vapor, and trace volatile organic compounds or other toxic gases / smoke.

**. Hazardous Polymerization :** Hazardous polymerization will not occur.

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## 11 Toxicological information

### . Toxicity to Animals :

LD50: Not

available. LC50 :

Not available.

**. Chronic Effects on Humans :** CARCINOGENIC EFFECTS : Classified NONE by NTP, NONE by OSHA. 3 (Not classifiable for human.) by IARC.

**. Other Toxic Effects on Humans :** None.

**. Mutagenicity :** Not available.

**. Teratogenicity :** Not available.

## 12 Ecological information

Information about elimination (persistence and degradability) :

Removable from water. Mobility and bioaccumulation potential : Not available

Ecotoxicological effects : May cause long-term adverse effects in the environment. Aquatic toxicity: Toxic to aquatic organisms.

General notes: Water hazard class 2 (German Regulation) (Self-assessment) : Hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

## 13 Disposal considerations

**. Product :** Must be disposed of in accordance with applicable Federal, state and local regulations.

**. Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**. Uncleaned packaging :** Recommendation Disposal must be made according to official regulations.

## 14 Transport information

**. DOT Classification for Bulk Shipments (non bulk shipments may differ) :** Not a DOT controlled material (United States).

**. DOT Proper Shipping Name :** Not available.

**. UN Number :** Not applicable.

**. Packing Group :** Not applicable.

**. Marine Pollutant :** Yes.

**. Hazardous Substance Reportable Quantity :** Not available.

**. Special Provisions for Transport :** Not applicable.

**. TDG Classification :** Not controlled under TDG (Canada).

**. ADR/RID Classification :** Not controlled under ADR ( Europe)

**. IMO/IMDG Classification :** Not Controlled under IMDG.

. ICAO/IATA Classification : Not controlled under IATA.

### **15 Regulatory information**

. HCS Classification : This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

. U. S. Federal Regulation :

. TSCA inventory : All components are exempted.

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- . **SARA 301/302/303** : No chemicals in this product are listed as extremely hazards substances in 40 CFR 355, Emergency Planning And Notification
- . **SARA 304** : No chemicals in this product require reporting under the requirement of 40 CFR 355, Emergency Planning And Notification(SARA extremely hazardous substances listed in Appendix A to Part 355 or CERCLA hazardous substances listed in Table 302.4 of 40 CFR Part 302).
- . **SARA 313** : This product contains no chemicals in excess of the applicable de minimis concentration that are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Table 372.65).  
Specific state and local regulations should be consulted to determine if there are any additional requirements. Because many States and localities have added requirements or incorporated the Federal contents in their own forms, Tier I & II forms should be obtained from the State Emergency Response Commission (SERC).

. **European/ International Regulations**

European Labeling in Accordance  
with EC Directives Hazard  
Symbols: Xi, Xn

. **Risk phrases :**

- 20/22 Harmful by inhalation and if swallowed.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

. **Safety phrases :**

- 16 Keep away from sources of ignition. 24/25 Avoid contact with skin and eye.
- 46 If swallowed, seek medical advice immediately and show this container or label.

**16 Other information**

The contents and format of this MSDS are in accordance with ISO Commission Directive IS011014:2009.

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**DISCLAIMER OF LIABILITY**

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**.Emergency Telephone Number : 15217338133**

**.Department issuing MSDS :**

**.Information :**

Guangzhou Lijie Biological Technology Co., LTD

\*\*\*\*\*The End\*\*\*\*\*

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