

## MATERIAL SAFETY DATA SHEET

### SECTION 1. Identification of the substance/preparation and company

1.1 Product Name: Removal Solution

1.2 Trade Name:

1.3 Chemical Class: Gel

1.4 Manufacturer:

1.5 Address:

1.6 Emergency Phone:

1.7 Manufacturer Email:

### SECTION 2. Hazards identifications

2.1 Emergency Overview:

THIS PRODUCT IS AN AQUIOUS SOLUTION THAT MAY IRRITATE THE EYES UPON CONTACT

2.2 Routes of Entry: Eyes

2.3 Target Organs: Eyes

2.4 Inhalation: Not expected to be an inhalation hazard.

2.5 Ingestion: Ingestion may cause gastrointestinal irritation.

2.6 Skin Contact: Not expected to irritate skin.

2.7 Eye Contact: Contact with eyes may cause irritation and watering of the eyes.

2.8 Aggravation of Pre-existing Conditions: None known

### SECTION 3. Composition / information on ingredients

Substance name	CAS	INCI Name	%	Exposure
Water	7732-18-5	Aqua	50-70	N/E
Glycerol	56-81-5	Glycerin	10-15	N/E
Sodium Chloride	7647-14-5	NaCl	10-15	N/E
Carbomer	9007-16-3	Carbopol	1-5	N/E
Hydroxyethyl Cellulose	9004-62-0	Cellosize	1-5	N/E
Citric Acid	77-92-9		1-5	N/E
Malic Acid	97-67-6		1-5	N/E

N/E – None Established

N/A – Not Available

N/DA – No Data

## **SECTION 4. First Aid Measures**

General advice: Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

### **4.1 Following eye contact:**

If the product comes into contact with the eyes, open victim's eyes while under gentle running water. Use sufficient force to open eyelids. Minimum flushing is for 15 minutes. Remove contact lenses, if worn. Seek medical attention if irritation persists.

### **4.2 Following skin contact:**

Wash contacted area with soap and water.

### **4.3 Following inhalation:**

Although no adverse effects are anticipated during proper handling, remove victim to fresh air if respiratory problems incur. Seek medical attention if symptoms persist.

### **4.4 Following ingestion:**

Routine use of this product is not expected to cause any situation which could lead to ingestion. If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION.

If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.

### **4.5 Note to physicians:**

Treat symptoms.

## **SECTION 5. Firefighting measures**

### **5.1 Hazardous Characteristics:**

Not considered to be a fire hazard. Not easily ignited by fire.

### **5.2 Extinguishing Media:**

Dry powder, Chemical foam, Carbon dioxide, water mist.

### **5.3 Firefighting procedures:**

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

Extinguish fire in a safe distance with enough protection

Prevent fire extinguishing water from contaminating surface water or the ground water system.

### **5.4 Hazardous combustion products:**

None.

## **SECTION 6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Avoid contact with eyes. Clear all fire points.

Evacuate personnel to safe areas. Keep people away from upwind of spill/leak. Wear appropriate protective measures (SEE SECTION 8).

### **6.2 Environmental precautions:**



Do not empty into drains. If the product contaminated lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

### **6.3 Cleaning method:**

Remove by liquid absorbing material (e.g. kieselguhr) . Adhered or collected material should be promptly disposed of. Disposal of discarded waste/pollutants refers to SECTION 13.

## **SECTION 7. Safe handling and storage**

### **7.1 Handling Notes:**

Keep away from heat, hot surfaces and other ignition sources. Keep indoor ventilation or local exhaust device. Wash thoroughly after handling this product. Use in a well-ventilated location.

### **7.2 Storage Notes:**

Away from fire, heat.

Store in a well-ventilated place. Keep cool. Stored in compatible containers.

Keep storage containers sealed.

Do not store with incompatible material (see section 10.2)

## **SECTION 8. Exposure Controls/ Personal Protection**

### **8.1 Occupational Exposure Limit:**

No information found

### **8.2 Engineering Control:**

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of localexhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

Ensure that eyewash stations and safety showers are proximal to the work-station location.

### **8.3 Respiratory Protection:**

Wear filter mask.

If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

### **8.4 Eyes Protection:**

Wear protective goggle in working time.( Comply with the European Union EN 166 or The U.S. NIOSH standard.)If contacting with eyes, flush with plenty of water, If you have discomfort, seek medical advice

### **8.5 Hands Protection:**

Wash with plenty of water if gloves puncture or skin exposure. No special hands protection.

Wear protective gloves (such as butyl rubber), passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.

### **8.6 Sanitary Measure:**

Forbid smoking, eating and drinking in working places. Washing hands after handling products.



## SECTION 9. Physical and chemical properties

Appearance and Color	Gel
Odour	Odorless
PH value	7
Flammability	Noncombustible
Density(g/cm <sup>3</sup> )	1.0-1.1
Relative steam density (air = 1)	No Data
Vapor pressure(MPa)	No Data
Octanol/water partition coefficient	No Data
Viscosity (mPa/s)	No Data
Flash point(°C,Closed cup)	No Data
Boiling point(°C)	No Data
Freezing point (°C)	No Data
Evaporation rate (kg/s)	No Data
UEL %(V/V)	Not applicable
LEL %(V/V)	Not applicable
Auto-ignition temperature(°C)	Not applicable
Decomposition temperature(°C)	No Data
Solubility	Soluble

## SECTION 10.Stability and reactivity

### 10.1 Stability:

Stable under recommended storage and handling conditions.

### 10.2 Material for avoiding:

Strong oxide, acid and alkali.

### 10.3 Contact conditions for avoiding:

High temperature.

### 10.4 Hazardous decomposition products

None

## SECTION 11. Toxicological information

### 11.1 Acute toxicity:

No information found.

### 11.2 Skin corrosion/irritation:



No information found.

**11.3 Serious eye damage/irritation:**

Eye contact can cause irritation

**11.4 Respiratory or skin sensitisation:**

Inhalation Causes respiratory irritation.

**11.5 Germ cell mutagenicity:**

No information found.

**11.6 Carcinogenicity:**

No information found.

**11.7 Reproductive toxicity:**

No information found.

**11.8 STOT-single exposure:**

No information found.

**11.9 STOT-repeated exposure:**

No information found.

**11.10 Aspiration hazard.:**

No information found.

## **SECTION 12. Ecological information**

**12.1 Mobility In Soil:**

These products have not been tested for mobility in soil.

**12.2 Persistence/ Degradability :**

These products have not been tested for persistence or biodegradability. The components may slowly degrade in the environment and form a variety of organic and inorganic materials; however, no specific information is known.

**12.3 Environmental Stability:**

Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways

**12.4 Bio accumulation/ Accumulation:**

These products have not been tested for bio-accumulation potential .

## **SECTION 13. Disposal considerations**

**13.1 Handling method for waste:**

Handling waste according to the local regulations. Contact specific waste disposal company or companies recommended by local laws.

**13.2 Handling method for uncleaned packaging:**

According to official regulations.

## **SECTION 14. Transport information**

**14.1 UN NO.:** Not classified

**14.2 Class:** Not classified

**14.3 Packaging group:** Not classified

**14.4 Technical name:** Removal solution

**14.5 Label:** Not classified. ( prohibition with antioxidant and food chemical mixed stowage,transit should prevent sun,rain and high temperature. )

**14.6 Attention Notes:** Gentle with, prevent collision drag and dump, This is not classified as a hazardous/dangerous material under IATA, IMDG,DOT regulations.

## **SECTION 15. Regulatory information**

Hazardous chemicals catalog

International maritime dangerous goods code Dangerous Goods Number Of United Nations

Technical Instructions for the Safe Transport of Dangerous Goods by Air Classification and code of dangerous goods

Occupational Safety and Health Act (OSHA)

The principle of classification of transport packaging groups of dangerous goods Globally Harmonized System of Classification and Labelling of Chemicals

In accordance with all local laws.

## **SECTION 16. Other information**

### **Disclaimer**

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