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**SAFETY SHEET**  
**Silicone Emulsion**  
update date July 2021

**PROPERTIES**

**NFPA SYMBOL (RISK LEVEL)**

0 = Minimum

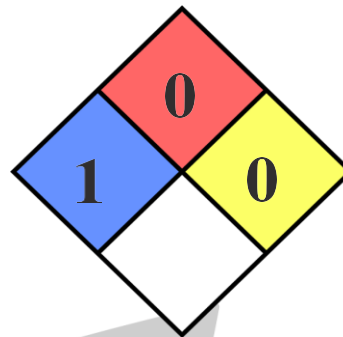
1 = Light

2 = Moderate

3 = Serious

4 = Severe

- **Appearance:** viscous white liquid
- **Smell:** Characteristic
- **Colour:** White
- **pH:** (5.0- 7.0)



Silicone Oils, due to their qualities of protection of surfaces and substrates, their non-stick effect, lubrication and increased color of the product are widely used in many industries.

Silicone Emulsions use water as a diluent, allowing the easy application of very precise layers of Silicone.

In the Emulsion, a medium viscosity oil was used with effective, non-ionic emulsifiers, obtaining a fine and stable dispersion.

**IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY**

**Name:** Silicone Emulsion VR

**Common name:** Dimethyl polysiloxane emulsion.

**Provider name and details**

**Manufacturer's Name:** MAR QUIMICOS SAS

**Address:** Cra 69 C # 31-22 sur, Barrio Carvajal. Bogotá, Colombia Telephone: 3835661. Monday to Friday (8: 00- 17:30)

Lubricants, lubricant additives and bonding agent.



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## HAZARD IDENTIFICATION

**GHS Hazard classification:** Causes eye irritation: Category 2 / 2A

**Signal word:** ATTENTION

**Hazard statement:** H319 Causes serious eye irritation.



**Pictogram on the label:**

**Precautions:** General:

**P101** If you need to consult a doctor, have on hand the container or the product label.

**P102** Keep out of the reach of children.

**P103** Read the label before use.

Prevention:

Goggles or protective mask.

Wash hands with plenty of water after handling.

**Advice of prudence**

**P305 + P51 + P338** In case of contact with the eyes: Rinse carefully with water for several minutes.

**P273** Do not disperse in the environment

Storage: Does not apply.

Provision: Does not apply.

**Other dangers:** None additional known.

## COMPOSITION / INFORMATION ON INGREDIENTS

**Substance:** Mixture.

**Composite / CAS No.**

Compound	CAS No
Polydimethylsiloxane	63148-62-9
Polyglycol	68439-49-6
Water	7732-18-5

**Chemical nature:** Silicone emulsion.



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## FIRST AID

### Description of first aid measures.

**Inhalation:** If inhaled, it is recommended to move the exposed person to a place where they can breathe uncontaminated air. If symptoms persist, go to a medical center.

**Skin contact:** Wash with soap and water. If symptoms persist, go to a medical center.

**Ingestion:** Do not induce vomiting. Wash the area around the mouth and face with plenty of water. If symptoms persist, go to a medical center.

**More serious symptoms:** Causes serious eye damage. Damage to the fertility of babies in pregnancy is suspected.

- Use personal protection elements, when you have a potential contact with the substance.



## FIRE-FIGHTING MEASURES

### Extinguishing media

#### Desirable Extinguishing Media

Water spray, alcohol resistant foam, carbon dioxide (CO<sub>2</sub>).

#### Undesirable extinguishing media

Not known.

#### Hazardous combustion products

Silicon oxides.

**Flash point:** Not applicable (watery)

**Lower flammable limit in air:** Not applicable (watery)

**Upper flammable limit in air:** Not applicable (aqueous) Sensitivity to mechanical



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impacts: Insensitive

**Sensitivity to static discharges:** Insensitive

## MEASURES TO TAKE IN CASE OF ACCIDENTAL SPILL

### Individual precautions:

Follow the instructions for handling and personal protection elements.

### Environmental precautions:

The disposition in the environment is not adequate.

Do not dispose of mixed with water, or in the sewer service.

### Cleaning methods:

Absorb with an inert material. To control large spills, contain compound dispersion. Then if the compound cannot be pumped, store it and collect it from the area using physical methods.

## MANIPULATION AND STORAGE

### Handling:

Avoid inhalation of possible vapors, do not rub areas that have had contact with the substance in the eyes, nose or mouth, avoid prolonged contact with the skin.

### Storage:

Keep in properly labeled containers and away from possible high temperature generators.

## EXPOSURE CONTROLS / PERSONAL PROTECTION

### Parameter control Exposure limit values

None

### Appropriate engineering controls

If operating conditions generate dust, gas, or vapor, you must; Use only in a closed system, proper ventilation, or other engineering controls to prevent worker contact with contaminated vapors.

### Environmental exposures

Emissions from ventilation or process equipment must meet legal requirements for environmental protection. In some cases scrubbers, filters or process modifications must be made to meet the required levels.



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## PHYSICAL AND CHEMICAL PROPERTIES

**Boiling point (° C):** > 100

**Vapor pressure at 20 ° C (torr):** 17.5

**Odor threshold (ppm):** Unknown

**Density g / ml:** 0.985 - 0.99

**Volatile Components (VOC):** Does not present

**Water solubility:** Soluble

**Solubility in organic solvents:** Insoluble

PHYSICAL CHARACTERISTICS	
PARAMETER	SPECS
Appearance	Viscous White Liquid
pH	5.0-7.0

Viscosity 25 ° C (Brookfiel LVD sp63 / 20rpm)	4000-6500 cps
Direct Stability or 30min / 3000 rpm	Stable or Unstable

## STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions.

### Chemical stability

Stable material under normal conditions.

### Possibility of hazardous reactions

Under normal conditions of use and storage, hazardous reactions should not occur.

### Conditions to avoid

Not known.



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### **Incompatible materials**

Not known.

### **Decomposition products**

Water vapor, carbon monoxide, carbon dioxide, silica dioxide, formaldehyde.

### **Decomposition into dangerous products**

Under normal conditions of storage and use, hazardous decompositions should not occur.

## **TOXICOLOGICAL INFORMATION**

### **Skin contact**

Undetermined

### **Eye damage**

Irritation and redness

### **Cancer**

Undetermined.

### **Respiratory damage**

Undetermined.

## **ECO TOXICOLOGICAL INFORMATION**

Not available. No significant or dangerous damage is known to the environment. No compound in the product has ozone depletion ability.

## **DISPOSAL CONSIDERATIONS**

### **Safe handling of surplus or solid waste**

As it is not present in the list of hazardous waste present in Decree 1076 of 2015, in article 2.2.6.2.3.6, it is not considered a hazardous waste for final disposal.

## **TRANSPORT INFORMATION**

As it is not present in the list of hazardous waste present in Decree 1076 of 2015, in article 2.2.6.2.3.6, it is not considered as hazardous waste to transport.

## **REGULATORY INFORMATION**

### **Regulatory framework**

Single environmental decree 1076 of 2015: "By means of which the single regulatory decree of the environment and sustainable development sector is issued"



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Law 55 of 1993: "Convention number 179 and recommendation number 177 on safety in the use of chemical products at work."

### ADDITIONAL INFORMATION

The data contained in this safety sheet is a guide for the user and is based on different bibliographies and experience. The information provided in this safety data sheet is not intended to guarantee the properties or Product features, simply describes the product from the point of view of safety requirements.



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