

SAFETY SHEET

ANTIFOAM A20 (Aqueous Dimethylpolysiloxane)

update date January 2022

PROPERTIES

Silicone-based defoamers have a silicone compound as the active ingredient. It can be presented as an oil or in a water-based emulsion. The silicone compound consists of hydrophobic additives integrated in a polydimethylsiloxane to which emulsifiers are added to ensure that the silicone disperses rapidly in the foam-forming medium.

These defoamers are very effective against difficult foams and are very good at removing surface foam as well as releasing trapped air in between, because of this they find a wide variety of uses in almost every industry.

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Product name: Antifoam A 20

Common name: Aqueous dimethylpolysiloxane

Company: MAR QUIMCOS SAS

Direction: Cra 69 C # 31-22 south, Barrio Carvajal, Bogotá, Colombia

Telephone: 3835661. Monday to Friday (8:00-17:30)

COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Mix

Compound/CAS No.

Compound	CAS-No.
Water	7732-18-5
Dimethylpolysiloxane	63148-62-9
sorbitan monostearate	1338-41-6
Glycerin monostearate	31566-31-1
Sodium carboxymethylcellulose	9000-11-7

HAZARD IDENTIFICATION

GHS Hazard Classification: Eye irritation: Category 2/2A

Word of warning: ATTENTION

Hazard statement: H319 Causes serious eye irritation.

Pictogram on the label:



Precautionary advice: General: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes

Other dangers: None known additional.



FIRST AID

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: There is no risk to dermal contact.

Eye contact: wash with copious amounts under running water for 15 minutes and with the eyelids open, subsequent control by the ophthalmologist, if necessary.

Ingestion: Do not induce vomiting.

More serious symptoms: Causes eye irritation, wash with plenty of water

FIRE-FIGHTING MEASURES

Suitable extinguishing media:

It is not a flammable substance

Extinguishing media that must not be used for safety reasons:

Does not apply

Particular special risks resulting from exposure to the substance or to the preparation itself, to the products of combustion or gases produced:

Does not apply

Special protective equipment for fire fighting personnel:

Does not apply

- Flash point: Not applicable (aqueous)
- Lower flammable limit in air: Not applicable (aqueous)
- Upper flammable limit in air: Not applicable (aqueous)
- Sensitivity to mechanical shock: Insensitive Sensitivity to static discharge: Insensitive

MEASURES TO TAKE IN CASE OF ACCIDENTAL SPILL

a) Individual precautions:

- Follow the instructions for handling and personal protection elements.

b) Environmental precautions:

- Contain dispersion to the environment.

c) Cleaning methods:

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

MANIPULATION AND STORAGE

Handling:



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Use personal protection glasses and gloves to avoid contamination of the product.

Storage:

Do not store outdoors. Store preferably at a temperature between 15 to 60°C. Keep in properly labeled and sealed containers (preferably in original packaging).

EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: Not applicable
Hand protection: Not applicable
Eye protection: Not applicable
Skin protection: Not applicable

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL CHARACTERISTICS	
Appearance	Viscous liquid
Colour	White
Odor	Characteristic
Total solids (92°C)	22.0 – 28.0%
pH	3.0 – 5.0
Viscosity	400 – 4000 cP
Boiling point	>100°C
Density	1.03g/mL
Antifoam Activity	≤ 60 Seconds in two times
Volatile Components (VOC)	does not present
Solubility	Soluble in water
Oxidizing Properties	Due to its structure, the substance does not have chemical groups associated with explosive properties.

STABILITY AND REACTIVITY

- **Reactivity:** Stable under normal conditions
- **Chemical Stability:** Stable material under normal conditions
- **Hazardous decomposition products:** Neither
- **Possibility of hazardous reactions:** None
- **Conditions to avoid:** Neither
- **Incompatible Materials:** Neither
- **Decomposition into dangerous products:** Neither

TOXICOLOGICAL INFORMACION

Skin contact: no risk

Eye damage: Irritation and redness.

Cancerological: no risk



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Respiratory damage: Undetermined

ECOLOGICAL INFORMATION

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

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 as hazardous waste for final disposal. According to article 2606 of 2009, it is considered a food additive, as an antifoam. Not considered dangerous goods for road transport

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

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

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

ADDITIONAL INFORMATION

The data contained in this safety data 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 characteristics of the product, it simply describes the product from the point of view of safety requirements.

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