



MACROLUB 195

MATERIAL SAFETY DATA SHEET

Hazard Information

Hazard classification

- 0 Minimum
- 1 Light
- 2 Moderate
- 3 Serious
- 4 Severe

Safety Diamond



Section I. General Data.

a) Date of elaboration:	1/JANUARY/2008	b) Last updated:	JULY/2012
c) Manufacturer:	Macropol S.A. de C.V.		
d) Address:	Camino a Lago de Guadalupe #74 San Miguel Xochimanga, Atizapan de Zaragoza. State of Mexico, Mex.		
e) Emergency number:	01 55-1083-5800 or to the SETIQ's phone: 01800-002-1400		

Section II. Data of the chemical substance.

a) Chemical name or code:	Glyceryl monostearate
b) Trade name:	Macrolub 195
c) Chemical family:	Fatty Acid Esters
d) Synonym (s):	NS
e) Other relevant data:	It's used as a lubricant and softener in the textile and cosmetic industries, mold releasing agent in plastics.

Section III. Identification of the chemical substance and its components.

3.1 Identification of the chemical substance			
Name	CAS NUMBER	EINECS- NUMBER	%
Glyceryl monostearate	31556-31-1		40-50
Glyceryl di stearate	1323-83-7		30-40
Stearic acid	57-11-4		1-3
Glycerine	56-81-5		<2.0

Section IV. Physical and chemical properties.

a) Boiling Point (°C)	NA	
b) Melting Point (°C)	56-60	
c) Flash Point (°C)	150	
d) Autoignition Temperature (°C)	--	
e) Density (g/cc)	--	
f) Vapour Density	NS	
g) Molecular Weight	--	
h) Physical State	Solid	
i) Color	Creamy	
j) Odor	Characteristic	
k) Speed of evaporation (butyl acetate=1)	NA	
l) Solubility in water	Insoluble	
m) Vapour Pressure (mbar @ 20°C)	--	
n) Percent Volatile	Non volatile	
o) Flammable Limits or explosiveness	Lower	NA
	Upper	NA
p) pH	NA	
q) Solubility in oil and solvent	NS	



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5.1 Fire extinguishing media:

Water Foam CO₂ Dry Chemical Powder Other

5.2 Specific personal protective equipment for use in firefighting tasks:

Complete equipment for firefighter.

5.3 Special procedures and precautions during the fire fighting:

Use autonomous equipment.

5.4 Requirements that lead to another special hazard:

This product doesn't self-ignite in normal atmospheric conditions.

5.5 Combustion products that are harmful for the health:

CO and CO₂

Section VI. Reactivity Data.

6.1 Conditions of stability / Instability Stable Unstable

6.2 Incompatibility (materials to avoid):

Organic peroxides and gaseous Oxygen

6.3 Hazardous decomposition products:

CO and CO₂

6.4 Spontaneous polymerization:

Not happen

6.5 Other conditions that must to assure during the use of the chemical substance, in order to avoid to react it:

-

Section VII. Health hazards and first aid measures.

7.1 Depending on the route of entry to the organism

a) Ingestion

-

b) Inhalation

-

c) Skin contact

Without symptom of irritation observed.

d) Eye contact

-

7.2 Chemical substance considered as:

Carcinogenic Mutagenic Teratogenic

7.3 Additional information

- a) LC₅₀ NS
b) LD₅₀ Oral (white rat) >10 g/Kg

7.4 Emergency and First Aid

7.4.1 Precautionary measures in case of:

a) Eye contact

Wash with plenty of water for 15-20 minutes. Get medical help.

b) Skin contact

Remove contaminated clothing, wash affected area with soap and plenty of water. Get medical help if irritation persists.

c) Ingestion

If swallowed get medical help and report to the doctor of the substance.

d) Inhalation

Move the person into fresh air, if have difficulty to breathe. Give artificial respiration immediately in case of have respiratory stoppage. Get medical help immediately.

7.4.2 Other risks or health effects:

-

7.4.3 Antidotes:

-

7.4.4 Other important information for primary medical care:

-



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Section VIII. Indications in case of leakage or spillage.

8.1 Procedure and immediate precautions:

Collect material and leave it in container for disposal, use proper personal protective equipment, ensure sufficient ventilation, in case of it enters on the sewer, notify to the competent authorities.

8.2 Mitigation method:

Stop spill with dikes of sand or sawdust, keep personnel away and located in favor of the air. Clean the place and collect the product, put it in appropriate containers for containment and disposal.

Section IX. Special protection specifically for emergency situations.

9.1 Specific personal protective equipment:

In case of spills and leaks, use goggles or safety glasses, face shield and chemical resistant gloves to prevent skin contact and maintain adequate ventilation.

Section X. Information about transportation. According to:

10.1 Regulations for the Ground Transportation of Hazardous Materials and Residues:

For its transportation must be hermetically packaged, each package must be properly identified according to current standards.

10.2 NOM-004-SCT2-1994:

NS

10.3 UN Recommendations for the Transport of Dangerous Goods:

NS

10.4 The North American Guide to Response In Case of Emergency.

NS

Section XI. Information concerning ecology.

11.1 Harms aquatic life and increases the BOD

Not classified as hazardous for the environment. In an emergency all the recovered material can be reprocessed, for the remains and cleaning of the area, prevent that it entry into sewers, surface water or groundwater.

Section XII. Special precautions.

12.1 For the handling, transportation and storage:

Use and store in a cool, dry and well ventilated place (eg, local ventilation system, fans). Keep containers tightly closed when not in use.

12.2 Other precautions:

Keep this product in areas with good ventilation, for proper handling wear your personal protective equipment.

NE Not Specified

NA Not Applicable

- Not Available