



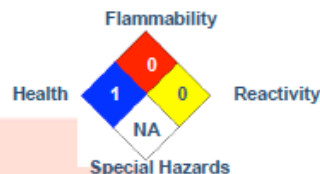
Tau Chemicals Inc

MACROLUB 370

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:	8/NOVEMBER/2011	b) Last updated:	5/AUGUST/2013
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 di-oleate
b) Trade name:	Macrolub 370
c) Chemical family:	Fatty Acid Esters
d) Synonym (s):	NS
e) Other relevant data:	Emulsifying agent in the food industry, 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 di-oleate	25637-84-7	247-144-2	>90
Glycerine	56-81-5	200-289-5	<5

Section IV. Physical and chemical properties.

a) Boiling Point (°C)	678.3
b) Melting Point (°C)	NA
c) Flash Point (°C)	189.2
d) Autoignition Temperature (°C)	-
e) Density (g/cc)	0.934
f) Vapour Density	NS
g) Molecular Weight	620
h) Physical State	Liquid
i) Color	Yellow-Amber
j) Odor	Oily
k) Speed of evaporation (butyl acetate=1)	NA
l) Solubility in water	Insoluble
m) Vapour Pressure (mbar @ 20°C)	-
n) Percent Volatile	-
o) Flammable Limits or explosiveness	Lower NA Upper NA
p) pH	NA
q) Solubility in oil and solvent	NE

Section V. Fire and explosion hazards.

5.1 Fire extinguishing media:



Tau Chemicals Inc

Water	X	Foam	X	CO ₂	X	Dry Chemical Powder	X	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: None known.									
5.5 Combustion products that are harmful for the health: CO and CO ₂									

Section VI. Reactivity Data.

6.1 Conditions of stability / instability	Stable	X	Unstable
6.2 Incompatibility (materials to avoid): Organic peroxides and gaseous Oxygen			
6.3 Hazardous decomposition products: CO and CO ₂			
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 Irritation					
7.2 Chemical substance considered as:					
Carcinogenic	NS	Mutagenic	NS	Teratogenic	NS
7.3 Additional Information					
a) LC ₅₀	NS				
b) LD ₅₀	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, drink plenty of water and if possible induce vomiting.					
d) Inhalation Move the person into fresh air, if have difficulty for 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: Don't induce vomiting if person is unconscious					



Tau Chemicals Inc

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 of security, 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:

No hazardous material

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

Avoid the seepage into sewage, surface water or groundwater

BOD -

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

MACROPOL

S.A. DE C.V.