

Chemical Composition and Safety Data Sheet of ERCOLINA ® GREASE SPRAY

Identification of the substance or compound and of the Company:

NAME OF THE PRODUCT: GRASSO ERCOLINA.

Type of Use : Lubricant for Cold Forming.

IMI CHIMICA S.r.l.

Via Giuseppe Fiorelli, 22 - 00119 OSTIA ANTICA - ROMA

Ph. +39 06/5650363 - 5651943

EMERGENCIES : + 39 0337/753051 (ask for Dr. F. Luini)

1) Composition/information of the Ingredients.

Chemical substances known to be dangerous to health according to the CE Directive 67/548/CEE and subsequent changes, or for which there exists known limits of exposure.

3 -7% LONG CHAIN ALKENYLIC CARBOXYLATE CALCIUM SALT.

2) Identification of Risks

No particular danger is present during normal use.

3) First Aid

Eye Contact: Wash immediately with water for 10 minutes.

Skin Contact: Wash abundantly with soap and water.

Inhalation: Ventilate the contaminated area and immediately, keeping the patient in a rest position, take him/her to a well ventilated place.
Consult a doctor in case of sickness symptoms.

Ingestion: **DO NOT PROVOKE VOMIT. CONSULT A DOCTOR IMMEDIATELY.** It is possible to administer to the patient active carbon, added to water or alternatively administer Vaseline oil (medical type).

4) Fire Prevention measures

Recommended fire extinguishers: water with CO2 foam. Chemical powders can also be used depending however, on whether it is possible to use them with the type of material on fire.

Forbidden

fire extinguishers: None.

Risks due to combustion: Avoid inhaling fumes.

Protection Devices: Use protective breathing apparatus.

5) Security Steps in case of accidental discharge or misuse

Individual precautions: Wear gloves and protective clothing.

Environmental precautions: Use earth or sand to block any

discharge.

In case the product is discharged into a water course, sewer or has caused soil or vegetation contamination, advise the appropriate government authorities, immediately.

Cleaning methods:

If the product is in a liquid form, avoid discharging into the sewer network.

Collect the product for re use, permanent removal, or absorb with inert material. Wash the area and utensils used in the collection of the product, with water.

6) Handling and stocking

Handling precautions:

Avoid direct contact and do not inhale the fumes. Refer also to paragraph 7 below.
Do not eat or drink while handling the product.
Stocking conditions: / see paragraph 7.

7) Exposure control and individual protective measures

Precautionary measures: Adequately ventilate the areas where the product is stocked and / or used.

Respiratory Protection: None necessary under normal use.

Hand Protection: None necessary under normal use.

Eye Protection: None necessary under normal use. However operate with caution.

Skin Protection: None necessary under normal use.

Exposure limit of the substances : LONG CHAIN ALKENYLIC CARBOXYLATE
CALCIUM SALT TLV-STEL : 10 mg/mc.

8) Chemical and physical properties:

Appearance and colour: Fluid Liquid amber-coloured.

Odour: Typical of grease.

Stickiness at 40°C: 120 cSt

pH: not applicable

Neutralisation N°: 1.6 KOH/g

Inflammable break point: 200°C

Density: 0,900 Kg/cm³

Pressure: < 0,07 bar at 20°C

Hydrosolubility: insoluble

Liposolubility: Complete

9) Stability and Reactivity

Conditions to avoid: None under stable regular conditions.

Substances to avoid: None.

Decomposition risks: Not classified.

10) Toxicological Information

The type of concentration for each single substance must be borne in mind when evaluating the toxicological effects deriving from an exposure to the compound.

The following is the toxicological data regarding the primary substances present in the compound:

The effects concerning LONG CHAIN ALKENYLIC CARBOXYLATE CALCIUM SALT. are:

LD 50 toxicity skin carried out on rabbits > 2000 mg/Kg.

LD50 toxicity oral carried out on rats > 5000 mg/Kg.

11) Environmental Information

Do not discharge the product into the environment.

12) Considerations on Discharging

Always try to re use if possible. Operate according to local and national regulations in force.

13) Transport information

Not classified.

14) Information on Regulations

DM28/1/92 (classification and labelling): The compound is not considered dangerous. Where applicable, please refer to the following standards:

- Ministerial Circulars 46 and 61 (aromatic amine)
- Law 136/83 (Biodegradable detergent).
- D.P.R. 175/88 (Seveso Directive), appendixes II, III and IV.
- D.P.R. 250/89 (detergent labelling).

15) Other Information

Principal bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983).

I.N.R.S. - Fiche Toxicologique.

CESIO - Classification and labelling of anionic nonionic surfactants (1990).

This is a translation into English of the safety data sheet given to Nuova CML Srl by its supplier. The translation has been carried out as accurately as possible, however, Nuova CML Srl will not take any responsibility for any mistakes or errors in this translation.