



SAFETY DATA SHEET

According to the regulation 1907/2006/CE, article 31 and its updating

1. IDENTIFICATION OF SUBSTANCE/PREPARATION

1.1. Product identifier

Name **MILK THISTLE HYDROGLYCERIN EXTRACT**
Substance/Mixture Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Field of use of the product Cosmetic industry
Recommended uses Soothing, moisturizing properties

1.3. Details of the supplier of the safety data sheet

Supplier name INTERAXION
Address 150 Chemin des Monges ZI des Monges
31450 Deyme - France
Telephone + 33 (0)5 61 27 86 61
E-mail info@interaxion.fr

1.4. Emergency telephone number

Poison center (ORFILA) : + 33 (0) 1 45 42 59 59

2. HAZARDS

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments [UE-GHS /CLP]

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments [UE-GHS /CLP]

No labeling requirements for this mixture.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments

No labeling requirements for this mixture.

2.3. Other hazards

No data available.

3. COMPOSITION

3.1. Substances

No substances fulfill the criteria set forth in annex II section A of the REACH regulation (EC) n° 1907/2006.

3.2. Mixtures

Main components	EINECS number	%
Glycerin	200-289-5	> 44.7%
Aqua	231-791-2	> 44.7%
Silybum Marianum seed extract	283-298-7	< 10%
Preservatives		
Citric acid	201-069-1	0.2%
Sodium benzoate	208-534-8	0.2%
Potassium sorbate	246-376-1	0.2%

4. FIRST AID

Eye contact: Irrigate with water during 10 minutes

Skin contact: in general the product is not irritant for skin. If irritation, drench with water and soap

Accidental ingestion: rinse the mouth, no undesirable effect

Inhalation: breathe fresh air

5. FIRE FIGHTING

Material to be used: pulverized water, CO2, powder

Dangerous combustion product: production of acroleine if high temperature

Protection of persons: use an appropriate respiratory mask in case of fire.

6. ACCIDENTAL RELEASE

Individual measures: not necessary

Environmental measures: dilute with a lot of water. Avoid any pollution of surface and ground waters

Product elimination: Collect liquids by means of a product absorbing (sand, neutralizing of acid, sawdust)

7. HANDLING AND STORAGE

Handling: Respect the good practices of hygiene, Do not smoke, eat or drink in the manipulation area.

Storage: store in dry and cool place. Keep the drums well closed in a well aired place.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

- France (INRS - ED984: 2007 and French Order of 30/06/2004):

CAS : 56-81-5 GLYCEROL (25-50%)

VME (France) 10 mg/m³

8.2. Exposure controls

Personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.
Store personal protective equipment in a clean place, away from the work area.
Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Eye/face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.



Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use protective gloves suitable resisting to chemical agents in accordance with standard EN374. Protective gloves have to be selected function of the workplace.



Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid, yellow to brown
Odor	:	Characteristic
pH	:	4 – 6
Density at 20°C	:	1.070 – 1.160 g/cm ³
Flash point	:	> 95°C
Auto flammable point	:	not applicable
Auto-inflammation	:	not applicable
Danger of explosion	:	no danger
Solubility with water 20°C	:	Soluble. Miscible in alcohol

10. STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid heat.

10.5. Incompatible materials

Keep away from:

- strong bases
- oxidising agents

10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

11. TOXICOLOGY

Information not available on the substance.

Information on glycerin

Acute toxicity DL50 oral (rat): 27200 mg/kg
 DL50 oral (mouse): 23000 mg/kg
 DL 50 skin (rabbit): > 18700 mg/kg

Skin irritation: not supposed irritant

Eye irritation: not supposed irritant

Toxicity at repeated doses:

Oral : NOAEL (rat) : 10 000 mg /Kg

Inhalation : NOAEC (rat) : 165 mg /m³ (local irritant effects of respiratory tracts)

NOAEC (rat): 662 mg /m³ (systemic irritant effects)

Other toxicologic information : Natural substance

12. ECOLOGICAL INFORMATION

Do not leave the product, not diluted or in great quantities, penetrate into the groundwater, into waters or into pipes

Information on glycerin:

E code: E422
Biodegradation in water: Easily biodegradable
Bioaccumulation: Low potential of bioaccumulation

Ecotoxicity for aquatic organisms:

 PNEC aqua: 780 mg /L: low risk for aquatic environment

Toxicity for the fishes:

 CL50 (24H) : >5000 mg /L (Carassius auratus)

Toxicity for aquatic invertebrates:

 CE50 (24h) : >10 000 mg /L (Daphnia magna)

Toxicity for algae

 CE50 (96H): 77 712 mg /L (value obtained by calculation)

Toxicity for microorganisms:

 NOEC (16H): >10 000 mg /L (Pseudomonas putida)

 NOEC (20H): >10 000 mg /L (Uronema parduzci)

 NOEC (48H): >10 000 mg /L (Chlimonas paramaecium)

 NOEC (72H): 3 200 mg /L (Entosiphon sulcatum)

13. DISPOSAL

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor

14. TRANSPORT

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2010 - ICAO/IATA 2015).

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Particular provisions

No data available.

German regulations concerning the classification of hazards for water (WGK)

Germany: WGK 1 (VwVwS vom 27/07/2005, KBws)

15.2. Chemical safety assessment

No data available.

16. OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Abbreviations:

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation.

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).