

Material safety data sheet

According to EU Regulation 1907/2006 in the current version

EMULSIFIANT PLANT HP30

1. Identification of the substance/mixture and company

Trade name: Emulsifiant Plant HP30
I.N.C.I. Glyceryl Stearate, Cetearyl Alcohol, Sodium Stearoyl Lactylate
CAS No.: 85251-77-0, 67762-27-0, 25383-99-7
EINESCS No.: 286-490-9, 267-008-6, 246-929-7
REACH pre-registration No.:
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de
Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture
Classification (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

2.2 Label elements
Labelling (REGULATION (EC) No 1272/2008)
Not a hazardous substance or mixture.

2.3 Other hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

According to the present state of knowledge provided this product is handled correctly, there is no danger to humans or the environment
Potential dust explosion hazard.

3. Declaration of ingredients

3.2 Mixtures
Components
Remarks: No hazardous ingredients

4. First aid measures

4.1 Description of first aid measures

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General advice:

Remove/ Take off immediately all contaminated clothing. Get medical advice/ attention if you feel unwell.

If inhaled:

If inhaled, remove to fresh air.

Get medical advice/ attention.

In case of skin contact:

In case of contact, immediately flush skin with soap and plenty of water.

In case of eye contact:

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed:

Call in a physician immediately and show him the Safety Data Sheet.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: No symptoms known currently.

Risks: No hazards known at this time.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Sand

Dry powder

Foam

Unsuitable extinguishing media:

High volume water jet

Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting:

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment for firefighters:

In case of fire: Wear respiratory protection. Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

Further information:

Emits toxic and corrosive fumes under fire conditions.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:

Wear suitable protective equipment.

Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions:

The product should not be allowed to enter drains, water courses or the soil.

Do not allow contact with soil, surface or ground water.

Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:

Take up mechanically

Can be landfilled or incinerated, when in compliance with local regulations.

6.4 Reference to other sections

Information regarding Safe handling, see chapter 7., For personal protection see section 8., For disposal considerations see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling:

Provide appropriate exhaust ventilation at machinery.

Take measures to prevent the build up of electrostatic charge.

Advice on protection against fire and explosion:

Keep away sources of ignition.

Take measures to prevent the build up of electrostatic charge.

Observe the general rules of industrial fire protection

Hygiene measures:

Observe the usual precautions for handling chemicals.

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions:

Keep containers tightly closed in a cool, well-ventilated place. Recommended storage temp 35°C

Advice on common storage:

Do not store with strong oxidizing agents

7.3 Specific end use(s)

Specific use(s): No further recommendations.

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8. Exposure controls / personal protection

8.1 Control Parameters

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Glycerides, C16-18 mono- and di-CAS-No.: 85251-77-0	Workers	Inhalation	Long-term systemic effects	125,04 mg/m ³
	Workers	Dermal	Long-term systemic effects	17,73 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	30,83 mg/m ³
	Consumers	Dermal	Long-term systemic effects	8,86 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	8,86 mg/kg bw/day

8.2 Exposure controls

Personal protective equipment

Eye protection: Safety glasses

Hand protection

Remarks:

Protective gloves complying with EN 374. Minimum thickness (glove): not determined With solid dry substances permeation is not to be expected, therefore the breakthrough-time for this protective glove has not been measured.

Remarks:

These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

Skin and body protection:

Wear suitable protective equipment.

Protective measures:

Observe the usual precautions for handling chemicals.

Do not breathe dust.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: pellets

Colour: off-white

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Odour: characteristic
Odour Threshold: not tested.
Drop point: 56 - 61 °C
Boiling point: > 100 °C

Upper explosion limit / upper flammability limit:
Not applicable
Lower explosion limit / Lower flammability limit:
Not applicable

Flash point: approx. 180 °C
Auto-ignition temperature: > 250 °C
Decomposition temperature: Stable up to boiling point.
PH: (as aqueous solution) no data available

Viscosity
Viscosity, dynamic: no data available
Viscosity, kinematic: Not applicable

Solubility(ies)
Water solubility: insoluble

Partition coefficient n-octanol/water: Not applicable
Vapour pressure: Not applicable
Density: no data available
Bulk density: 0,92 g/cm³
Relative vapour density: Not applicable

Particle characteristics
Particle size: no data available

9.2 Other information
Flammable solids
Burning number: 2
Short flaring up without spreading
Self-ignition: no data available
Metal corrosion rate: Not applicable
Evaporation rate: not determined

10. Stability and reactivity

10.1 Reactivity
See section 10.3. "Possibility of hazardous reactions"

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions

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Hazardous reactions:

Reactions with strong acids. Reactions with strong oxidising agents.

10.4 Conditions to avoid

Conditions to avoid:

Protect from heat/overheating.

10.5 Incompatible materials

Materials to avoid:

Strong oxidizing agents

10.6 Hazardous decomposition products

Acrolein

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product:

Acute oral toxicity:

LD50 (Rat): > 5.000 mg/kg

Remarks: Information refers to the main component.

Acute inhalation toxicity: Remarks: not tested.

Acute dermal toxicity:

Remarks: not tested.

Skin corrosion/irritation

Product:

Result: No skin irritation

Remarks:

The product has not been tested. The information is derived from the properties of the individual components.

Serious eye damage/eye irritation

Product:

Result: No eye irritation

Remarks:

The product has not been tested. The information is derived from the properties of the individual components.

Respiratory or skin sensitisation

Product:

Remarks: not tested.

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment: No information available.

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Carcinogenicity

Product:

Carcinogenicity – Assessment: No information available.

Reproductive toxicity

Product:

Reproductive toxicity – Assessment: No information available.

STOT - single exposure

Product:

Remarks: not tested.

STOT - repeated exposure

Product:

Remarks: not tested.

Repeated dose toxicity

Product:

Remarks: not tested.

Aspiration toxicity

Product: no data available

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Product:

Remarks:

The classification was made by the conventional (calculation) method of the CLP Regulation (EC) No 1272/2008.

12. Ecological information

12.1 Toxicity

Product:

Toxicity to fish:

LC50 : > 100 mg/l

Remarks: Information refers to the main component.

Toxicity to daphnia and other aquatic invertebrates:

Remarks: not tested.

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Toxicity to algae/aquatic plants:

Remarks: not tested.

Toxicity to microorganisms:

Remarks: not tested.

12.2 Persistence and degradability

Product:

Biodegradability:

Result: Readily biodegradable.

Remarks: The data refer to the technical active substance

12.3 Bioaccumulative potential

Product:

Bioaccumulation:

Remarks: not tested.

12.4 Mobility in soil

Product:

Distribution among environmental compartments:

Remarks: not tested.

12.5 Results of PBT and vPvB assessment

Product:

Assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Environmental fate and pathways:

no data available

Additional ecological information:

If handled correctly it causes no disturbance in treatment plants. May be separated mechanically in waste water plants. The classification was made by the conventional (calculation) method of the CLP Regulation (EC) No 1272/2008.

13. Disposal considerations

13.1 Waste treatment methods

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Product:

In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority

Contaminated packaging:

Packaging that cannot be cleaned should be disposed of as product waste

14. Transport information

Section 14.1. to 14.5.

ADR not restricted

ADN not restricted

RID not restricted

IATA not restricted

IMDG not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

15. Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII):

Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):

Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:

Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast):

Not applicable

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

Neither banned nor restricted

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:

Not applicable

REACH - List of substances subject to authorisation (Annex XIV): Not applicable

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Other regulations:

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2 Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

16. Additional information

Other information: Observe national and local legal requirements

Abbreviations and acronyms:

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

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.