



Product Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/COMPANY

Product Name:

Solix 36 Soy wax

Glycerides, C16-18 and C18 unsaturated

Use of the substance/preparation

Emulsifier, Pharmaceuticals, Cleaning products, Hygienic products, Cosmetic additive, Detergents, Agent Surfactant, Candle, Perfumes, Food ingredient.

Uses not recommended

None of the uses considered showed Dangerous.

Implore:

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[Office Hours]

National regulatory support services provided by ECHA: <https://echa.europa.eu/support/helpdesks>

EC Number: 266-948-4

Substance Name Unsaturated glycerides, C16-18 and C18

CAS No.: 8016-70-4

Synonyms: See Appendix

2. HAZARD IDENTIFICATION

Classification according to Regulation 1272/2008/EC

This product does not meet the criteria for classification in one of the hazard classes according to Regulation 1907/2008/EC on classification, labelling and packaging of substances and preparations. An SDS is not required for this product.

3. COMPOSITION/INGREDIENT INFORMATION

Chemical nature of the preparation Substance. Glycerides of vegetable origin.

Chemical family Hydrogenated oil

Chemical Name Glycerides, C16-18 and C18 Unsaturated

EC No. 266-948-4

CAS No.: 8016-70-4

Annex VI of the CLP: Not listed

Index n:°100

% by weight Classification: Not listed

4. FIRST AID

Description of first aid:

Eye contact: Rinse well with plenty of water, including under the eyelids.

Skin contact: Wash with soap with plenty of water.

Inhalation: Putting the victim in the open air.

Ingestion: Widely used in food and feed.

Protection for first aiders: Use personal protective equipment.

General tips: No danger that requires special first aid measures.

Most important effects and symptoms, both immediate and delayed

Eyes: Not supposed to be dangerous to the eyes.

Skin: No health risks are known or foreseeable under normal conditions of use.

Inhalation: No health risks are known or foreseeable under normal conditions of use.

Ingestion: Not supposed to be harmful to health

Indication of emergency medical measures and treatments

Notice to doctors: Treat according to symptoms.

5. FIRE-FIGHTING MEASURES

Extinguishing means

Suitable extinguishing medium Carbon dioxide (CO₂), Sand, Dry powder

Extinguishing medium not to be used for safety reasons Do not use water.

Specific hazards related to the substance or preparation.

Hazardous combustion products: Decomposition by heat can cause the release of gases and vapours
Irritants. Carbon monoxide. Carbon dioxide (CO₂). Acrolein.

Specific hazards Ignition hazard. Cloths and other materials containing this product may heat up and ignite spontaneously on contact with air. Store wiping cloths and similar materials in metal boxes with tight-fitting lids.

Tips for firefighters

Special equipment for the protection of responders In case of fire, wear a self-contained breathing apparatus in accordance with EN 137: 2006.

6. MEASURES TO BE TAKEN IN THE EVENT OF ACCIDENTAL RELEASE

Personal precautions

The substance can make surfaces slippery. Beware of the risk of falling on spilled product.

Precautions for the protection of the environment

Do not discharge as such to the natural environment, water or sewers.

Cleaning methods

Use dry collection equipment or sand. Collect in suitable containers.

7. HANDLING AND STORAGE

Manipulation

Keep away from flames, hot surfaces and ignition sources. Do not smoke.

Storage

Keep in a cool sheltered place.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Components with occupational exposure control parameters

To the best of our knowledge, this product does not contain hazardous substances related to occupational exposure thresholds established by region-specific regulatory bodies.

Chemical name	Austria	Belgium	Bulgaria	Cyprus	Czech Republic
Vegetable oil cloud		TWA: 10 mg/m ³ put			
Chemical name	Denmark	Estonia	Finland	The France	Germany
Vegetable oil cloud					
Chemical name	Greece	Hungary	Ireland	Italy	Latvia
Vegetable oil cloud					
Chemical name	Lithuania	Luxembourg	Malta	Netherlands	Poland
Vegetable oil cloud					
Chemical name	Le Portugal	Romania	Slovakia	Slovenia	Spain
Vegetable oil cloud					TWA: 10 mg/m ³
Chemical name	Sweden	United Kingdom	HAD		
Vegetable oil cloud					

Technical measures

Ensure adequate ventilation, especially in enclosed spaces.

Hygiene measures

To be handled in accordance with good industrial hygiene practices and safety instructions.

Personal protective equipment

Eye protection When handling liquid products: use safety glasses.

Hand protection Use appropriate protective gloves.

Protection of the skin and body When handling hot product: use appropriate personal protective equipment.

Respiratory protection When spraying hot product: use a suitable mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

White – pale yellow appearance

Solid form at 20°C

Neutral smell

Odour perception threshold Not applicable

pH Not applicable

Flash Point 240-33°C / 464-626°F (evaluated)

Non-self-flammable flammability temperature

Boiling Point: > 390°C / 734°F (at atmospheric pressure)

Melting/freezing point 34-36°C / 91-114°F

Decomposition temperature Not applicable

Oxidizing properties Not supposed to be oxidizing

Solubility Soluble in many organic solvents

Water solubility < 6.6 mg/L at 20 ± 2 °C (LOQ of the method); insoluble.

Evaporation rate Not applicable

Vapour pressure: <1.33x10E-8 Pa at 20°C

Vapour density Not applicable

Viscosity Not applicable

Partition coefficient: (n-octanol/water): No information available

Explosion hazards: Not expected to be explosive given its structure. No functional groups supposed to be explosive

10. STABILITY AND RESPONSIVENESS

Stable stability under recommended storage conditions.

Possibility of dangerous reactions None under normal treatment conditions.

Conditions to avoid Heat, flames and sparks.

Materials to avoid No specific materials to report.

Hazardous decomposition products **Decomposition** by heat can cause the release of irritating gases and vapours, carbon monoxide, carbon dioxide (CO₂), acrolein.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Based on available data, there is no acute toxicity

Chemical Name: Unsaturated Glycerides, C16-18 and C18

% by weight: 100

Oral LD50: >4.763mg/kg bw. Rat

Dermal DL: >3000mg/kg bw. (Guinea Pig)

LC 50 Inhalatory:

-

Skin corrosion/irritation Based on the available data, the substance/preparation does not meet the classification criteria

Serious eye damage/eye irritation: Based on the available data, the substance/preparation does not meet the classification criteria

Sensitivity to the skin or respiratory system

Based on the available data, the substance/preparation does not meet the classification criteria

Mutagenicity Based on the available data, the substance/preparation does not meet the classification criteria.

Carcinogenicity Based on available data, the substance/preparation does not meet the classification criteria

Reproductive toxicity **Based on** the available data, the substance/preparation does not meet the classification criteria

STOT - single exposure Based on the available data, the substance/preparation does not meet the classification criteria

STOT - repeated exposure Based on the available data, the substance/preparation does not meet the classification criteria

Aspiration hazards **Based on** the available data, the substance/preparation does not meet the classification criteria

Potential health effects:

Eyes is not supposed to be dangerous to the eyes.

Skin No health risks are known or foreseeable under normal conditions of use.

Inhalation No health risks are known or foreseeable under normal conditions of use.

Ingestion is not supposed to be harmful to health

12. ECOLOGICAL INFORMATION

Ecotoxicity

Does not contain substances known to be hazardous to the environment or non-degradable in wastewater treatment plants

Chemical name	Freshwater algae	Acute toxicity for fish	Daphnia	Effects on Microorganisms	Other
Glycerides, C16-18				,EC10: >67mg/L. based on the respiration rate	Aquatic invertebrates: EL50, 48h: >100mg/L. Acartia tonsa (saltwater) ErL50, 72h: >100mg/L. Skeletonema Costatum (Saltwater)

Persistence and degradability Should be biodegradable.

13. DISPOSAL CONSIDERATIONS

When regulations allow, recycle materials as much as possible to reduce waste.

Waste treatment methods

Incinerate in suitable facilities.

Disposal methods

Destruction must be done in accordance with regulations.

Contaminated packaging

Destruction must be done in accordance with regulations.

14. TRANSPORT INFORMATION

RID: Unregulated

ADR: Not regulated

DNA Unregulated

ICAO Unregulated

IATA Unregulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific to the substance or preparation International inventories

Chemical name	EINECS	ELINCS	DSL	NDSL	AICS	China	ENC S ISHL	KECL	NZLoC	PICCS	TSCA
Glycerides, C16-18 and C18 unsaturated	Yes 232-410-2	No	Yes	No	Yes	Yes	No	Yes KE-17796	Yes	Yes	Yes ACTIVE

WGK (German Water Hazard Classification)

Identification Number: 760 Not considered hazardous to water.

Chemical safety assessment

A full chemical safety assessment was conducted and a chemical safety report was conducted.

16. OTHER INFORMATION

Indication of changes

Prepared by ADC

Issue date 12-09-2011

Revision date 26-06-2020

Revision Number 2.1

Cause of revision Update of the ADC logo. This version replaces all previous versions.

Abbreviations and acronyms

- ADN - European Agreement on the International Carriage of Dangerous Goods by Inland Waterways
- ADR - European Agreement on the International Carriage of Dangerous Goods by Road
- AICS - Australian Chemicals Inventory (Australia)
- CAS - Chemical Abstract Service (European inventory of commercial chemical substances)
- CHINA - China Inventory of Existing Chemicals (China)
- CLP - Classification, Labelling and Packaging, Regulation 1272/2008/EC
- DSL - Domestic Substances List (Canada)
- EC - European Commission
- EINECS - European Inventory of Existing Commercial Chemical Substances (EU)
- ELINCS - European List of Notified Chemicals (EU)
- ENCS - Existing and New Chemicals (Japan)
- IARC - International Agency for Research on Cancer
- IATA - International Air Transport Association Dangerous Goods Regulations
- ICAO - International Civil Aviation Organization
- IMDG - International Maritime Dangerous Goods Code
- IMO - International Maritime Organization
- KECL - Korean Existing and Assessed Chemicals (Korea)
- LC50: Lethal concentration causing the death of 50% of individuals in a given population
- LD50: Lethal dose for 50% of individuals compared to a control of the same species
- LEDS - Non-domestic Substances List (Canada)
- NZLoC - New Zealand Chemicals Inventory (New Zealand)
- OECD - Organisation for Economic Co-operation and Development
- PICCS - Inventory of Chemicals and Substances (Philippines)
- REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID - Regulations concerning the International Transport of Dangerous Goods by Rail Network
- STOT - Specific Target Organ Toxicity
- TSCA - Toxic Substances Control Act, Section 8(b) Inventory (USA)
- TWA - time-weighted: Average concentration that should not be exceeded in a typical workday (usually 8 hours)
- WGK - Wassergefährdungsklasse (German Water Hazard Classification)

The information provided herein is accurate to our knowledge, information and beliefs at the time of publication. The information provided is intended solely as a guide for safe handling, use, treatment, storage, transport, disposal and release and should not be considered as a guarantee or specification of quality. This information relates only to the specifically designated product and may not be valid for that product used in combination with another product or as part of any processing, unless otherwise specified in the text.