

## SAFETY DATA SHEET

according to the Globally Harmonized System and US regulation

### ELFAMOIST AC

Version 1

Revision Date 09/17/2018

Print Date 02/08/2021

US / Z8

#### 1. IDENTIFICATION

Product name : ELFAMOIST AC

Product Use Description : Specific use(s): Cosmetics

Company : Nouryon Surface Chemistry LLC  
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Chicago IL 60603-5566  
US

Telephone : +18009069977

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#### 2. HAZARDS IDENTIFICATION

##### Emergency Overview

Appearance	liquid
Color	light yellow
Odor	characteristic

##### GHS Classification

Not a hazardous substance or mixture.

##### GHS label elements

Not a hazardous substance or mixture.

##### Carcinogenicity:

**IARC** : No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** : No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

#### Hazardous ingredients

Chemical name	CAS-No.	Classification	Concentration [% W/W]
Glycerin	56-81-5		>= 10 - < 20

### 4. FIRST AID MEASURES

- General advice : No hazards which require special first aid measures.
- Inhalation : If breathed in, move person into fresh air.  
Consult a physician after significant exposure.
- Skin contact : Take off contaminated clothing and shoes immediately.  
Rinse immediately with plenty of water.
- Eye contact : Rinse with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- Ingestion : Clean mouth with water and drink afterwards plenty of water.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

#### Notes to physician

- Symptoms : The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.
- Risks : No information available.
- Treatment : Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during fire fighting / Specific hazards arising from the chemical : Do not allow run-off from fire fighting to enter drains or water courses.
- Combustion products : Carbon oxides
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

See also Section 9. Physical and chemical properties: Safety data

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- Personal precautions : No conditions to be specially mentioned.
- Emergency measures on accidental release : Evacuate personnel to safe areas.  
Only qualified personnel equipped with suitable protective equipment may intervene.  
Prevent unauthorized persons entering the zone.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up / Methods for containment : Wipe up with absorbent material (e.g. cloth, fleece).  
Keep in suitable, closed containers for disposal.
- Reference to other sections : For disposal considerations see section 13.  
For personal protection see section 8.

## 7. HANDLING AND STORAGE

### Handling

- Advice on safe handling : For personal protection see section 8.  
Dispose of rinse water in accordance with local and national regulations.  
No special handling advice required.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

### Storage

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
- Advice on common storage : No special restrictions on storage with other products.
- Other data : No decomposition if stored and applied as directed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

#### Ingredients with workplace control parameters

Ingredients	CAS-No.	Value	Control parameters	Update	Basis	Form of exposure
Glycerin	56-81-5	TWA	5 mg/m3	2011-07-01	OSHA Z-1	mist, respirable fraction
		TWA	15 mg/m3	2011-07-01	OSHA Z-1	mist, total dust

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		TWA	10 mg/m3	1989-01-19	OSHA P0	Mist - total dust
		TWA	5 mg/m3	1989-01-19	OSHA P0	Mist - respirable fraction
	Further information	:	See Appendix D - Substances with No Established RELs			
		PEL	10 mg/m3	2014-11-26	CAL PEL	Mist - total fraction
		PEL	5 mg/m3	2014-11-26	CAL PEL	Mist - respirable fraction
	Further information	:	(n): The concentration and percentage of the particulate used for this limit are determined from the fraction passing a size selector with the following characteristics: Aerodynamic Diameter in Micrometers (unit density sphere)..... Percent Passing Selector 0			
			..... 100 1 ..... 97 2			
			..... 91 3 ..... 74 4			
			..... 50 5 ..... 30 6			
			..... 17 7 ..... 9 8			
			..... 5 10 ..... 1			

ACGIH: American Conference of Governmental Industrial Hygienists  
 BEI: Biological Exposure Index  
 MAC: Maximum Allowable Concentration  
 NIOSH: National Institute for Occupational Safety and Health  
 OEL: OEL: Occupational exposure limit.  
 STEL: Short term exposure limit  
 TWA: Time Weighted Average

## Appropriate engineering controls

Effective exhaust ventilation system

## Personal protective equipment

Eye/face protection : Tightly fitting safety goggles

Hand protection : Glove material: For prolonged or repeated contact use protective gloves.  
 : Glove material: Protective gloves complying with EN 374.

Skin and body protection : Protective suit

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
 Wash hands before breaks and at the end of workday.

## Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : liquid

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Color	: light yellow
Odor	: characteristic
Odor Threshold	: No data available

## Safety data

pH	: 6.5 - 9.5 at 10 % solution
Melting point/freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: 198 °C Method: Pensky-Martens closed cup
Evaporation rate	: No data available
Flammability (solid, gas)	: Not applicable
Flammability (liquids)	: The product is not flammable.
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: 1.10 - 1.15 at 22 °C
Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, dynamic	: 300 - 600 mPa.s at 25 °C
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

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## 10. STABILITY AND REACTIVITY

Conditions to avoid	: None known.
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Materials to avoid	: None known.
Hazardous decomposition products	: No hazardous decomposition products are known.
Thermal decomposition	: No data available
Reactivity	: Stable under normal conditions.
Chemical stability	: Stable under recommended storage conditions.
Hazardous reactions	: No dangerous reaction known under conditions of normal use.

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## 11. TOXICOLOGICAL INFORMATION

### PRODUCT INFORMATION:

#### Hazard Summary

Acute toxicity	: Not classified based on available information.
Skin corrosion/irritation	: Not classified based on available information.
Serious eye damage/eye irritation	: Not classified based on available information.
Respiratory or skin sensitization	: Respiratory sensitization: Not classified based on available information. Skin sensitization: Not classified based on available information.
Germ cell mutagenicity	: Not classified based on available information.
Carcinogenicity	: Not classified based on available information.
Reproductive toxicity	: Not classified based on available information.
STOT-single exposure	: Not classified based on available information.
STOT-repeated exposure	: Not classified based on available information.
Aspiration hazard	: Not classified based on available information.

#### Potential Health Effects

Inhalation	: Not expected to be irritating.
Skin	: Not expected to be irritating.
Eyes	: Not expected to be irritating.
Ingestion	: May be harmful if swallowed.
Aggravated Medical Condition	: None known.
Symptoms of Overexposure	: The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

**Toxicology Assessment**

Further information : No further data available.

**Test result**

Acute oral toxicity : LD50:  $\geq 5,000$  mg/kg  
Species: Rat

Skin irritation : Result: No skin irritation

Eye irritation : Result: No eye irritation

Sensitization : Result: Not sensitizing.

**Carcinogenicity:**

**IARC** : No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** : No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**TOXICOLOGY DATA FOR THE INGREDIENTS:****Test result****Component: Glycerin**

Acute oral toxicity : LD50: 12,600 mg/kg  
Species: Rat

Acute dermal toxicity : LD50:  $> 10,000$  mg/kg  
Species: Rabbit

Skin irritation : Result: No skin irritation

Eye irritation : Result: No eye irritation

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**12. ECOLOGICAL INFORMATION****PRODUCT INFORMATION:****Ecotoxicology Assessment**

Additional ecological information : None known.

**Test result****Ecotoxicity effects**

Toxicity to fish : LC50:  $> 100$  mg/l  
Exposure time: 96 h  
Species: *Oncorhynchus mykiss* (rainbow trout)

Method: OECD Test Guideline 203

Toxicity to algae : LC50: > 100 mg/l  
Species: Pseudokirchneriella subcapitata (green algae)  
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 100 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

## Elimination information (persistence and degradability)

Bioaccumulation : No data available

Mobility : No data available

Biodegradability : Result: No data available

## Further information on ecology

Biochemical Oxygen Demand (BOD) : No data available

## Hazardous to the ozone layer

Regulation : 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

## INGREDIENTS:

### Test result

#### Component: Glycerin

#### Ecotoxicity effects

Toxicity to fish : LC50: > 1,000 mg/l  
Exposure time: 96 h  
Species: Fish  
  
Toxicity to daphnia and other aquatic invertebrates : EC50: > 10,000 mg/l  
Exposure time: 24 h  
Species: Daphnia magna (Water flea)  
  
Toxicity to bacteria : EC50: > 1,000 mg/l  
Species: activated sludge

## Elimination information (persistence and degradability)

Bioaccumulation : Bioaccumulation is unlikely.



Mobility	: No data available
Biodegradability	: Result: Readily biodegradable.

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## 13. DISPOSAL CONSIDERATIONS

Product	: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local regulation.
	: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## 14. TRANSPORT INFORMATION

### International Regulations

**ADR**

Not regulated as a dangerous good

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### Further information for transport

Not classified as dangerous in the meaning of transport regulations.

### Domestic regulation

**49 CFR**

Not regulated as a dangerous good

**TDG**

Not regulated as a dangerous good

**NOM-002-SCT**

Not regulated as a dangerous good

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## 15. REGULATORY INFORMATION

**Notification status**

DSL	: NO. This product contains one or several components that are not on the
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	Canadian DSL nor NDSL.
AICS	: NO. Not in compliance with the inventory
NZIoC	: NO. Not in compliance with the inventory
ENCS	: NO. Not in compliance with the inventory
ISHL	: NO. Not in compliance with the inventory
KECI	: NO. Not in compliance with the inventory
PICCS	: NO. Not in compliance with the inventory
IECSC	: NO. Not in compliance with the inventory
TCSI	: NO. Not in compliance with the inventory
TSCA	: e (special case). For Cosmetic Use Only

For explanation of abbreviations, see section 16.

## TSCA list

TSCA 5(a)(2)	: No substances are subject to a Significant New Use Rule.
TSCA 12(b)	: No substances are subject to TSCA 12(b) export notification requirements.

## EPCRA - Emergency Planning and Community Right-to-Know

### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 302** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

## Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals subject to disclosure and listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489):

Glycerin	56-81-5	10 - 20 %
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## Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

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## California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

## 16. OTHER INFORMATION

### Full text of other abbreviations

CAL PEL	:	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
OSHA P0	:	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
CAL PEL / PEL	:	Permissible exposure limit
OSHA P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average

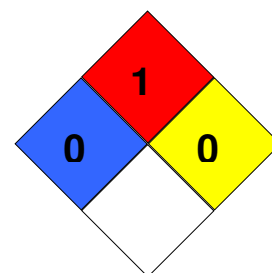
AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

### Further information

<b>HMIS Classification</b>	:	Health Hazard: 1 Chronic Health Hazard: / Flammability: 1 Physical hazards: 0
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## NFPA Classification

: Health Hazard: 0  
Fire Hazard: 1  
Reactivity Hazard: 0



## Notification status explanation

REACH	1907/2006 (EU)
DSL	Canadian Domestic Substances List (DSL)
AICS	Australia Inventory of Chemical Substances (AICS)
NZIoC	New Zealand. Inventory of Chemical Substances
ENCS	Japan. ENCS - Existing and New Chemical Substances Inventory
ISHL	Japan. ISHL - Inventory of Chemical Substances
KECI	Korea. Korean Existing Chemicals Inventory (KECI)
PICCS	Philippines Inventory of Chemicals and Chemical Substances (PICCS)
IECSC	China. Inventory of Existing Chemical Substances in China (IECSC)
TCSI	Taiwan Chemical Substance Inventory (TCSI)
TSCA	United States TSCA Inventory

## Further information

Revision Date 09/17/2018

The information in this material safety data sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The user must determine the appropriate measures that need to be implemented for the use and handling of this product in the context of the user's operations and use of this product. The information contained herein supersedes all previously issued bulletins on the subject matter covered. If the date on this document is more than three years old, call to make certain that this sheet is current. No warranty is made as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. User must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. Nothing contained herein shall be construed as granting or extending any license under any patent.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.