



## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### YELLOW SOAP COLOUR

#### 1. Identification of the substance/mixture and company

Trade name: Yellow soap colour  
I.N.C.I. CI 11680, Glycerin, Aqua, Sodium Laureth Sulfate, Phenoxyethanol  
CAS No. : 2783-94-0  
EINESCS No. : 0000  
REACH pre-registration No. : /  
Utilization: Raw material for cosmetic or professional use  
Supplier company identification: **Elemental SRL**, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania  
Tel/Fax: +40259-436.755, www.elemental.eu  
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

Eye Irrit. 2 Causes serious eye irritation.  
Adverse physicochemical, human health and environmental effects:  
No other hazards

##### 2.2 Label elements

Regulation (EC) No 1272/2008 (CLP):  
Pictograms and Signal Words

Hazard pictograms:



Hazard statement:

H319 Causes serious eye irritation.

##### Precautionary statements

P264 Wash contact areas thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
Special provisions according to Annex XVII of REACH and subsequent amendments:  
None

##### 2.3 Other hazards

No PBT Ingredients are present  
Other Hazards: No other hazards  
Hazards not otherwise classified identified during the classification process

#### 3. Declaration of ingredients



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3.1. Substances

Not Available

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Substance	Ident. Numb.	Classification	Registration Number	Percent %
POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-SULFO-.OMEGA. -(DODECYLOXY)-, SODIUM SALT	CAS:68891-38-3 EC:500-234-8	Skin Irrit. 2, H315; Aquatic Chronic 3, H412; Eye Dam. 1, H318	01-2119488639-16-XXXX	5-7 %
2-phenoxyethanol	CAS:122-99-6 EC:204-589-7 Index:603-098-00-9	Eye Irrit. 2, H319; Acute Tox. 4, H302	01-2119488943-21-XXXX	0.5- 1 %
Sulfuric acid	CAS:7664-93-9 EC:231-639-5 Index:016-020-00-8	Skin Corr. 1A, H314	01-2119458838-20-XXXX	< 0.05 %

Further Information:

#### 4. First aid measures

##### 4.1 Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing and shoes.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Immediately remove any contaminated clothing, shoes or stockings.

After contact with skin, wash immediately with soap and plenty of water.

In case of eye contact:

Wash immediately and thoroughly with running water, keeping eyelids regularly raised, for at least 15 minutes. Cold water may be used. Check for and remove any contact lenses at once. OBTAIN A MEDICAL EXAMINATION.

Protect the eyes with a sterile gauze or a clean, dry handkerchief.

In case of ingestion:

Do not induce vomiting, get medical attention showing the MSDS and label hazardous.

If symptoms persist consult doctor.

In case of inhalation:

Remove casualty to fresh air and keep warm and at rest.



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#### 4.2 Main symptoms and effects, both acute and delayed

Eye irritation  
Eye damages

#### 4.3 Indication to consult a physician immediately or any special treatments

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible)

### 5. Fire fighting measures

#### 5.1 Means of extinction

Suitable extinguishing media:

Water, CO<sub>2</sub>, foam, chemical powders, according to the materials involved in the fire.

In case of fire, use foam, dry chemical, CO<sub>2</sub>.

Unsuitable extinguishing media:

None in particular.

#### 5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

#### 5.3 Recommendations for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective devices and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8

#### 6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose of it following local legislation.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities if required.

Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).

#### 6.3 Methods and materials for containment and remediation

Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).

Wash with plenty of water.

#### 6.4 Reference to other sections

See also section 8 and 13.



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**7. Handling and storage**

7.1 Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment

7.2 Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a cool, dry, well-ventilated area.

Incompatible materials:  
None in particular.

Instructions as regards storage premises:  
Adequately ventilated premises.

7.3 Specific end uses

Recommendation(s)  
Storage temperature: 5-30°C  
Industrial sector specific solutions:  
None in particular.

**8. Exposure controls / personal protection**

8.1 Control parameters

Community Occupational Exposure Limits (OEL)

Component	OEL Type	OEL Type	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behavior
2-phenoxyethanol	MAK	Germany	110	20		40	Indicative
	NATIONAL	Germany			220	50	
	NATIONAL	Finland	110	20	290		
	NATIONAL	Germany	110	20			
	NATIONAL	Poland	230				
sulfuric acid	MAK	Germany	5.7	1			
	NATIONAL	Germany			0.1		
	ACGIH		0.2				
	NATIONAL	France	0.05		3		
	NATIONAL	Spain	0.05				



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	NATIONAL	Finland	0.05		0.1	
	NATIONAL	Germany	0.1			
	NATIONAL	Italy	0.05			
	NATIONAL	Portugal	0.05			
	NATIONAL	Belgium	0.2			
	NATIONAL	Poland	0.05			
	NATIONAL	Netherlands	0.05			
	NATIONAL	Czech Republic	1			
	NATIONAL	Czech Republic	0.05			
	NATIONAL	Czech Republic			2	
	NATIONAL	United Kingdom	0.05			
	NATIONAL	Luxembourg	0.05			
	EU		0.05			
	NATIONAL	United Kingdom	0.05		0.15	
	ACGIH		0.2			

## 8.2 Exposure controls

Eye/face protection:

Eye glasses with side protection.

Skin protection:

Chemical protection clothing.

Hand protection:

NBR (nitrile rubber).

Respiratory protection:

Filtering Half-face mask (DIN EN 149).

Hygienic and Technical measures

Not Available

## 9. Physical and chemical properties

### 9.1 Information on physical and chemical properties

Physical State Liquid

Appearance: Paste or puree, Yellow

Odour: Characteristic

Odour threshold: Not Available

pH: 5.00

Melting point/ range: Not Available

Boiling point/ range: 100 °C (212 °F)



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Flash point: Not Established  
Evaporation rate: Not Available  
Upper/lower flammability or explosive limits: Not Available  
Vapour density: Not Available  
Vapour pressure (20°C): Not Available  
Density (20°C): Not Available  
Water solubility: Partly miscible  
Lipid solubility: Not Available  
Partition coefficient (n-octanol/water): Not Available  
Auto-ignition temperature: Not Available  
Decomposition temperature: Not Available  
Viscosity (20°C): Not Available  
Explosive properties: Not Available  
Oxidising properties: Not Available  
Flammability (Solid, Gas): Not Available  
Volatile Organic compounds - VOCs = Not Available

#### 9.2 Other information

Substance group relevant properties: Not Available  
Miscibility: Not Available  
Conductivity: Not Available

### 10. Stability and reactivity

#### 10.1 Responsiveness

Stable under normal conditions.

#### 10.2 Chemical stability

No data available

#### 10.3 Possibility of dangerous reactions

Burning produces carbon monoxide and/or carbon dioxide.

#### 10.4 Conditions to avoid

Stable under normal conditions of temperature and pressure.

#### 10.5 Incompatible materials

Avoid strong oxidizing agents, peroxides, acids, alkali metals.

#### 10.6 Hazardous decomposition products

Burning produces carbon monoxide and/or carbon dioxide.

### 11. Toxicological information

#### 11.1 Information on toxicological effects

a) acute toxicity	ATE Oral > 2000.00000 mg/kg
b) skin corrosion/irritation	Skin Irritant Slightly irritant
c) serious eye damage/irritation	Eye Irritant Yes

Toxicological information on main components of the mixture:



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POLY(OXY-1, 2-ETHANEDIYL) . ALPHA-SULFO-OMEGA. -(DODECYLOXY)-, SODIUM SALT	a) acute toxicity	LD50 Oral Rat = 4100.00000 mg/kg LD50 Skin Rat > 2000.00000 mg/kg	
	b) skin corrosion/irritation	Skin Irritant Rabbit Yes	4 h duration 21 days observation
	c) serious eye damage/irritation	Eye Irritant Rabbit Yes	24h duration 14 days observation
2-phenoxyethanol	a) acute toxicity	LD50 Oral Rat = 1260.00000 mg/kg LD50 Skin Rabbit = 5 ml/kg	Acute toxicity point estimate based on EU GHS classification data
	b) skin corrosion/irritation	Skin Irritant Rabbit Slightly irritant	OECD 404
	c) serious eye damage/irritation	Eye Irritant Rabbit Yes	OECD 405
sulfuric acid	a) acute toxicity	LC50 Inhalation Rat = 510 mg/m3 2h LD50 Oral Rat = 2140 mg/kg	
	b) skin corrosion/irritation	Skin Corrosive Positive	
	c) serious eye damage/irritation	Eye Corrosive Positive	
	e) germ cell mutagenicity	Mutagenesis Negative	Similar to OECD 471 - AMES Test
	g) reproductive toxicity	No Observed Adverse Effect Level (NOAEL) Inhalation Rat = 3.00000 mg/m3 90 days	OECD 412

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

## 12. Ecological information



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#### 12.1 Toxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-toxicity:

List of Eco-Toxicological properties of the components

Quantity	Component	Ident. Numb.	Ecotox Data
5-7 %	POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-SULFO-.OMEGA.-(DODECYLOXY)-, SODIUM SALT	CAS: 68891-38-3 - EINECS: 500-234-8	a) Aquatic acute toxicity : LC50 Fish Danio rerio = 7.10000 mg/l OECD 203 96h a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = mg/l 48h OECD 202 7.20000 a) Aquatic acute toxicity : EC50 Algae Scenedesmus subspicatus = 27.00000 mg/l 72h OECD 201
0.5-1 %	2-phenoxyethanol	CAS: 122-99-6 - EINECS: 204-589-7 - 67-548-EC: 603-098-00-9	a) Aquatic acute toxicity : LC50 Fish Pisces 337 mg/l 96h EPA - 337 - 352 flow-through a) Aquatic acute toxicity : LC50 Fish Pimephales promelas = 366 mg/l 96h IUCLID - static a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna > 500 mg/l 48h IUCLID a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus >500 mg/l 72h IUCLID a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 337 mg/l 96h EPA - 337 - 352 flow-through
< 0.05 %	sulfuric acid	CAS: 7664-93-9 - EINECS: 231-639-5 - 67-548-EC: 016-020-00-8	a) Aquatic acute toxicity : LC50 Fish Brachydanio rerio > 500 mg/l 96h IUCLID - static b) Aquatic chronic toxicity : LC50 Fish lepomis macrochirus = 16.00000 mg/l 96h b) Aquatic chronic toxicity : EC50 Daphnia > 100.00000 mg/l 48h - OECD 202 b) Aquatic chronic toxicity : NOEC Fish Salvelinus fontinalis = 0.02500 mg/l b) Aquatic chronic toxicity : NOEC Tanytarsus dissimilis = 0.15000 mg/l b) Aquatic chronic toxicity : NOEC Algae Desmodesmus subspicatus = 100.00000 mg/l 72h - OECD 201

#### 12.2 Persistence and degradability

Component	Persistence/Degradability:
2-phenoxyethanol	Biodegradable

#### 12.3 Bioaccumulation potential

Component	Bioaccumulation
2-phenoxyethanol	Not bioaccumulative

#### 12.4 Ground mobility

Component	Mobility in soil
2-phenoxyethanol	Not mobile

#### 12.5 Results of PBT and vPvB assessment

No PBT Ingredients are present





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#### 12.6 Other adverse effects

No data available

### 13. Disposal considerations

#### 13.1 Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

### 14. Transport information

#### 14.1 UN number

N/A

#### 14.2 UN shipping name

ADR-Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical name: N/A

#### 14.3 Class of danger for transport

ADR-Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

#### 14.4 Packing group

ADR-Packing Group: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

#### 14.5 Environmental hazards

Toxic Ingredients Qty: 0.00

High Toxicity Ingredients Qty: 0.00

Marine pollutant: No

Environmental Pollutant: No

#### 14.6 Special precautions for users

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR-Upper number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air (IATA):

IATA-Passenger Aircraft: N/A

IATA-Cargo Aircraft: N/A

IATA-Label: N/A

IATA-Sub Risk: N/A

IATA-Erg: N/A

IATA-Special Provisioning: N/A

Sea (IMDG):

IMDG-Stowage Code: N/A

IMDG-Stowage Note: N/A

IMDG-Sub Risk: N/A

IMDG-Special Provisioning: N/A



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IMDG-Page: N/A  
IMDG-Label: N/A  
IMDG-EMS: N/A  
IMDG-MFAG: N/A

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code  
Not Available

## 15. Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2015/830 (Annex II)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: 3

Restrictions related to the substances contained: None

Provisions related to directive EU 2012/18 (Seveso III):

Not Available

German Water Hazard Class.

Not Available

SVHC Substances

Not Available

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for the mixture.

## 16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).



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IMDG: International Maritime Code for Dangerous Goods.  
INCI: International Nomenclature of Cosmetic Ingredients.  
LTE: Long-term exposure.  
PNEC: Predicted No Effect Concentration.  
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
STE: Short-term exposure.  
STEL: Short Term Exposure limit.  
STOT: Specific Target Organ Toxicity.  
ACGIH: American Conference of Governmental Industrial Hygienists  
AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ATE: Acute Toxicity Estimate  
ATEmix: Acute toxicity estimate of the mixture  
BCF: Biological Concentration Factor  
BEI: Biological Exposure Index  
BOD: Biochemical Oxygen Demand  
CAV: Poison Center  
CE: European Community  
CLP: Classification, Labeling, Packaging.  
COD: Chemical Oxygen Demand  
COV: Volatile Organic Compound  
CSA: Chemical Safety Assessment  
CSR: Chemical Safety Report  
DMEL: Derived Minimal Effect Level  
DPD: Dangerous Preparations Directive  
DSD: Dangerous Substances Directive  
EC50: Half Maximal Effective Concentration  
ECHA: European Chemicals Agency  
ES: Exposure Scenario  
IARC: International Agency for Research on Cancer  
IC50: half maximal inhibitory concentration  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
KAFH: KAFH  
LDLo: Leathal Dose Low  
N.A.: Not Applicable  
N/A: Not Applicable  
N/D: Not defined/ Not available  
NA: Not available  
NIOSH: National Institute for Occupational Safety and Health  
NOAEL: No Observed Adverse Effect Level  
OSHA: Occupational Safety and Health Administration.  
PBT: Persistent, Bioaccumulative and Toxic  
PGK: Packaging Instruction  
PSG: Passengers  
vPvB: Very Persistent, Very Bioaccumulative.  
KSt: Explosion coefficient.

#### Code Description



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H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Code Hazard class and hazard category Description

3.1/4/Oral Acute Tox. 4 Acute toxicity (oral), Category 4

3.2/1A Skin Corr. 1A Skin corrosion, Category 1A

3.2/2 Skin Irrit. 2 Skin irritation, Category 2

3.3/1 Eye Dam. 1 Serious eye damage, Category 1

3.3/2 Eye Irrit. 2 Eye irritation, Category 2

4.1/C3 Aquatic Chronic 3 Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation

(EC) Nr. 1272/2008

3.3/2

Classification procedure

Calculation method

#### 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.