

## REOFLOW SAT

### 1. IDENTIFICATION

<b>Product Name:</b>	ReoFlow SAT
<b>INCI Name:</b>	Sodium acrylate/Sodium Acryloyldimethyl Taurate Copolymer
<b>CAS#:</b>	77019-71-7
<b>Product Form:</b>	Solid
<b>Product Use:</b>	Cosmetic use
<b>Distributor:</b>	Avena Lab, Farmadria d.o.o.
<b>Address:</b>	Heroja Pinkija 44, Vršac
<b>Telephone:</b>	+381(0)695565028 or +381(0)695565029
<b>Website:</b>	www.avenalab.com
<b>Email:</b>	info@avenalab.com

### 2. HAZARD(S) IDENTIFICATION

#### Classification of the substance or mixture

**EC regulation criteria 1272/2008 (CLP):** The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

**Adverse physicochemical, human health and environmental effects:** No other hazards

#### Label elements:

**Hazard pictograms:** None

**Hazard statements:** None

**Precautionary statements:** None

**Special Provisions:** None

**Special provisions according to Annex XVII of REACH and subsequent amendments:** None

**Other hazards:** vPvB Substances: None - PBT Substances: None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

**Identification of the substance**

**Trade code:** SRCC00000FLOWSAT

#### Mixtures

N.A.

## 4. FIRST-AID MEASURES

### Description of first aid measures

<b>In case of skin contact:</b>	Wash with plenty of water and soap.
<b>In case of eyes contact:</b>	In case of contact with eyes, rinse immediately with plenty of water and
<b>In case of Ingestion:</b>	Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.
<b>In case of Inhalation:</b>	Remove casualty to fresh air and keep warm and at rest.

**Most important symptoms and effects, both acute and delayed**  
None

**Indication of any immediate medical attention and special treatment needed**  
**Treatment:** None

## 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media:</b>	Suitable extinguishing media: Water, Carbon dioxide (CO <sub>2</sub> ).
<b>Special Hazards arising from the substance or mixture:</b>	Do not inhale explosion and combustion gases. Burning produces heavy smoke.
<b>Advice for Fire Fighters:</b>	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

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8.
<b>Environmental precautions:</b>	Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
<b>Methods and material for containment and cleaning up:</b>	Suitable material for taking up: absorbing material, organic, sand Wash with plenty of water.

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Avoid contact with skin and eyes, inhalation of vapours and mists. Do not eat or drink while working. See also section 8 for recommended protective equipment.
---------------------------------------	--

MATERIAL SAFETY DATA SHEET

Page 3 of 7

**Conditions for safe storage, including any incompatibilities:**

Storage recommended at room temperature  
 Keep away from food, drink and feed.  
 Health (BetrSiVO). Store in a dry place. Keep container tightly closed.

**Incompatible materials:  
 Instructions as regards storage premises:**

None in particular.  
 Adequately ventilated premises.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters:**

No occupational exposure limit available

**DNEL Exposure Limit Values:**

N.A.

**PNEC Exposure Limit Values:**

N.A.

**Exposure controls**

**Eye protection:**

Not needed for normal use. Anyway, operate according good working practices.

**Protection for skin:**

No special precaution must be adopted for normal use.

**Protection for hands:**

Not needed for normal use.

**Respiratory protection:**

Not needed for normal use.

**Thermal Hazards:**

None

**Environmental exposure controls:**

None

**Appropriate engineering controls:**

None

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance and color:**

GRANULAR SOLID WHITE

Miscibility: N.A.

**Odour:**

NONE

Fat Solubility: N.A.

**Odour threshold:**

N.A.

Conductivity: N.A.

**pH:**

N.A.

Substance Groups

**Melting point / freezing point:**

N.A.

relevant properties: N.A.

**Initial boiling point and**

N.A.

**boiling range:**

N.A.

**Flash point:**

NA ° C

**Evaporation rate:**

N.A.

**Solid/gas flammability:**

N.A.

**Upper/lower flammability or**

N.A.

**explosive limits:**

N.A.

**Vapor pressure:**

N.A.

**Vapour density:**

N.A.

**Relative density:**

0.6

**Solubility in water:**

N.A.

**Solubility in oil:**

N.A.

**Partition coefficient (noctanol/water):**

0

**Auto-ignition temperature:**

N.A.

**Decomposition temperature:**

N.A.

**Viscosity:**

N.A.

**Explosive properties:**

N.A.

**Oxidizing properties:**

N.A.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Stable under normal conditions.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	None.
<b>Conditions to Avoid:</b>	Stable under normal conditions.
<b>Incompatible Materials:</b>	None in particular.
<b>Hazardous Decomposition Products:</b>	None.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Based on available data, the classification criteria are not met Test: LD50 - Route: Oral - Species: Rat > 4000 mg/kg
<b>Skin corrosion/irritation:</b>	Based on available data, the classification criteria are not met Test: Skin Irritant Negative
<b>Serious eye damage/eye irritation:</b>	Based on available data, the classification criteria are not met
<b>Respiratory or skin sensitization:</b>	Based on available data, the classification criteria are not met Test: Skin Sensitization Negative
<b>Germ cell mutagenicity:</b>	Based on available data, the classification criteria are not met
<b>Carcinogenicity:</b>	Based on available data, the classification criteria are not met
<b>Reproductive toxicity:</b>	Based on available data, the classification criteria are not met
<b>Teratogenicity:</b>	Based on available data, the classification criteria are not met
<b>STOT-single exposure:</b>	Based on available data, the classification criteria are not met
<b>STOT-repeated exposure:</b>	Based on available data, the classification criteria are not met
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met

## 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	Adopt good working practices, so that the product is not released into the environment.
<b>Aquatic acute toxicity:</b>	Not classified for environmental hazards Endpoint: LC50 - Species: Brachydanio rerio (Fish) > 100 mg/l - Duration h: 96 - Notes: OECD 203 Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: OECD 202
<b>Plant toxicity:</b>	Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72 - Notes: OECD 201
<b>Persistence and degradability:</b>	Biodegradability: Non easy degradable - Test: N.A. - Duration: N.A. - %: N.A. - Notes: N.A.
<b>Bioaccumulative potential</b>	N.A.
<b>Mobility in soil</b>	N.A.
<b>Results of PBT and vPvB assessment</b>	vPvB Substances: None - PBT Substances: None
<b>Other adverse effects</b>	None

## 13. DISPOSAL CONSIDERATIONS

<b>Waste treatment methods:</b>	Recover if possible. In so doing, comply with the local and national regulations currently in force.
---------------------------------	--

## 14. TRANSPORT INFORMATION

**UN number:** Not classified as dangerous in the meaning of transport regulations.  
**UN proper shipping name:** N.A.  
**Transport hazard class(es):** N.A.  
**Packaging group:** N.A.  
**Environmental hazards:** ADR-Environmental Pollutant: No  
IMDG-Marine pollutant: No  
**Special precautions for user:** N.A.  
**Transport in bulk according to Annex II of Marpol and the IBC Code:** N.A.

## 15. REGULATORY INFORMATION

### 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) 2015/830  
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)

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

Volatile Organic compounds - VOCs = 0.00 g/l  
Volatile CMR substances = 0.00 %  
Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %  
Organic Carbon - C = 0.00

Where applicable, refer to the following regulatory provisions:

Directive 2012/18/EU (Seveso III)  
Regulation (EC) nr 648/2004 (detergents).  
Dir. 2004/42/EC (VOC directive)

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

Seveso III category according to Annex 1, part 1  
None

Chemical safety assessment

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

## 16. OTHER INFORMATION

### Paragraphs changed from the previous version:

SECTION 1: Identification of the substance/mixture and of the company/undertaking

SECTION 9: Physical and chemical properties

SECTION 15: Regulatory information

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,  
Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van  
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

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.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
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).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

---

MATERIAL SAFETY DATA SHEET

Page 7 of 7

---

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. AvenaLab shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

