Telefax: +49(0)40-5303669766



Safety Data Sheet

according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868 Page 1 of 11

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

1.1. Product identifier

Co-polymer SAT-xx

Further trade names

This SDS covers the following products: Co-Polymer SAT-PO310, Article No.: 445262 Co-Polymer SAT-20, Article No.: 445868

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Manufacture of cosmetics.

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name: Satcotek GmbH
Street: Gotenstrasse 13
Place: D-20097 Hamburg
Telephone: +49(0)40-5303669711

Internet: www.satcotek.com
Responsible Department: info@satcotek.com

1.4. Emergency telephone Poison Information Center Mainz, Germany, Tel: +49(0)6131/19240

<u>number:</u>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

This substance is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements

Additional advice on labelling

Labelling according to to GHS (UK CLP) regulation.: none

2.3. Other hazards

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

INCI: Acrylates/C10-30 Alkyl Acrylate Crosspolymer

The product does not contain dangerous substances according to UK REACH, Annex II, Part A , 3.1/3.2. that must be mentioned in Chapter 3.

The components listed in Chapter 3 are listed voluntarily for information purposes.

Hazardous components

CAS No	Chemical name	Chemical name				
	EC No	EC No Index No REACH No				
	GHS Classification					
	C10-30 alkyl propenoate, polymer with propenoic acid, butenoic acidand/or alkyl propenoates, product with propenyl sucrose ether or propenyl 2,2-dihydroxymethyl-1,3-propanediol			>= 97%		



according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868

Page 2 of 11

	1				
		<u> </u>			
141-78-6	ethyl acetate			< 0,45 %	
	205-500-4	607-022-00-5			
	Flam. Liq. 2, Eye Irrit.	2, STOT SE 3; H225 H319 H336 EUH	066		
79-10-7	acrylic acid; prop-2-enoic acid				
	201-177-9	607-061-00-8			
	· ' '	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Aquatic Acute 1; H226 H332 H312 H302 H314 H400			
110-82-7	cyclohexane			< 0,45 %	
	203-806-2	601-017-00-1			
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H225 H315 H336 H304 H400 H410				

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Cond	Limits, M-factors and ATE	
		C10-30 alkyl propenoate, polymer with propenoic acid, butenoic acidand/or alkyl propenoates, product with propenyl sucrose ether or propenyl 2,2-dihydroxymethyl-1,3-propanediol	>= 97% %
	dermal: LD50) = >2000 mg/kg; oral: LD50 = >2500 mg/kg	
141-78-6	205-500-4	ethyl acetate	< 0,45 %
	dermal: LD50) = >20000 mg/kg	
79-10-7	201-177-9	acrylic acid; prop-2-enoic acid	< 0,25 %
		C50 = > 10 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: 0 mg/kg; oral: LD50 = > 300 mg/kg STOT SE 3; H335: >= 1 - 100	
110-82-7	203-806-2	cyclohexane	< 0,45 %
	dermal: LD50) = (>2000) mg/kg; oral: LD50 = >5000 mg/kg	

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

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

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician.

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eves

Rinse cautiously with water for several minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.



according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868 Page 3 of 11

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2). Dry extinguishing powder. alcohol resistant foam. Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO2).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Avoid dust formation.

Do not breathe dust.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Discharge into the environment must be avoided.

6.3. Methods and material for containment and cleaning up

For containment

Take up mechanically.

Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7 Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear personal protection equipment (refer to section 8).

Advice on protection against fire and explosion

Usual measures for fire prevention. Dust clouds may present an explosion hazard.

Advice on general occupational hygiene

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the



according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868 Page 4 of 11

workplace. Wash hands before breaks and after work.

Further information on handling

Avoid generation of dust.

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorbtion of humidity.

Recommended storage temperature: 20°C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
79-10-7	Acrylic acid	10	29		TWA (8 h)	WEL
		20	59		STEL (1 min)	WEL
110-82-7	Cyclohexane	100	350		TWA (8 h)	WEL
		300	1050		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	734		TWA (8 h)	WEL
		400	1468		STEL (15 min)	WEL

8.2. Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Dust should be exhausted directly at the point of origin.

Individual protection measures, such as personal protective equipment

Eye/face protection

Dust protection goggles.

Hand protection

In case of prolonged or frequently repeated skin contact:

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time >= 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm



according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868 Page 5 of 11

Breakthrough time >= 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time >= 8 h

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Protective clothing.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

- -Exceeding exposure limit values
- -Insufficient ventilation and Generation/formation of dust

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P1-3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Thermal hazards

Material handled at elevated temperature may cause thermal burns by contact with molten product.

Environmental exposure controls

No special precautionary measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Powder. solid.
Colour: white
Odour: characteristic

Changes in the physical state

Melting point/freezing point:

Boiling point or initial boiling point and boiling range:

not determined not determined

Sublimation point: not determined
Softening point: not determined
Pour point: not determined
Flash point: not determined

Explosive properties

Dust clouds may present an explosion hazard.

Lower explosion limits:

Upper explosion limits:

not determined

not determined

Auto-ignition temperature:

not determined

Self-ignition temperature

Solid: not determined
Decomposition temperature: not determined
pH-Value: not determined
Viscosity / dynamic: not determined



according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868 Page 6 of 11

Viscosity / kinematic: not determined
Flow time: not determined
Water solubility: slightly soluble

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:

Vapour pressure:

Density:

Bulk density:

Relative vapour density:

SECTION 12: Ecological information not determined not determined

9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion: Not sustaining combustion

Oxidizing properties

none

Other safety characteristics

Solvent separation test:

Solvent content:

not determined
not determined
not determined

Further InformationNo information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Refer to chapter 10.5.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2).

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicocinetics, metabolism and distribution

No data available.

Acute toxicity

Based on available data, the classification criteria are not met.

No data available.



according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868 Page 7 of 11

CAS No	Chemical name								
	Exposure route	Dose		Species	Source	Method			
		C10-30 alkyl propenoate, polymer with propenoic acid, butenoic acidand/or alkyl propenoates, product with propenyl sucrose ether or propenyl 2,2-dihydroxymethyl-1,3-propanediol							
	oral	LD50 mg/kg	>2500		Angew.Chem.1975,14				
	dermal	LD50 mg/kg	>2000						
141-78-6	ethyl acetate								
	dermal	LD50 mg/kg	>20000	Rabbit.	ECHA Dossier				
79-10-7	acrylic acid; prop-2-enoic acid								
	oral	LD50 mg/kg	> 300	Rat					
	dermal	LD50 mg/kg	> 1000	Rabbit					
	inhalation (4 h) vapour	LC50	> 10 mg/l	Rat					
	inhalation aerosol	ATE	1,5 mg/l						
110-82-7	cyclohexane								
	oral	LD50 mg/kg	>5000	Rat	ECHA Dossier				
	dermal	LD50 mg/kg	(>2000)	Rabbit	ECHA Dossier				

Irritation and corrosivity

Based on available data, the classification criteria are not met.

No data available.

Sensitising effects

Based on available data, the classification criteria are not met. No data available .

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met. No data available

STOT-single exposure

Based on available data, the classification criteria are not met. No data available .

STOT-repeated exposure

Based on available data, the classification criteria are not met. No data available .

Aspiration hazard

Based on available data, the classification criteria are not met. No data available .

Specific effects in experiment on an animal

No data available.

11.2. Information on other hazards

Endocrine disrupting properties

No data available.

SECTION 12: Ecological information

12.1. Toxicity



according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868 Page 8 of 11

Acute fish toxicity: LC50 >100 mg/L Acute Daphnia toxicity: EC 50 >100 mg/L

		<u> </u>					
CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
141-78-6	ethyl acetate						
	Acute fish toxicity	LC50 mg/l	>100	96 h	Pimephales promelas	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l	>100	72 h	Green algae	ECHA Dossier	
110-82-7	cyclohexane						
	Acute fish toxicity	LC50 mg/l	(4,53)	96 h	Pimephales promelas	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l	(>4,425)	72 h	Pseudokirchneriella subcapitata	ECHA Dossier	
	Acute crustacea toxicity	EC50 mg/l	(0,9)	48 h	Daphnia magna	ECHA Dossier	

12.2. Persistence and degradability

No data available

CAS No	Chemical name							
	Method	Value	d	Source				
	Evaluation	-	-	-				
141-78-6	ethyl acetate							
	other guideline	>60%	10	ECHA Dossier				
	Easily biodegradable (concerning to the criteria of the OE	CD)						
79-10-7	acrylic acid; prop-2-enoic acid							
	OECD Guideline 301 C	68%	28	REACH Dossier				
	Easily biodegradable (concerning to the criteria of the OE	CD)	-	-				
110-82-7	cyclohexane							
	OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D	77%	28	ECHA Dossier				
	Easily biodegradable (concerning to the criteria of the OECD)							

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
141-78-6	ethyl acetate	0,73
79-10-7	acrylic acid; prop-2-enoic acid	0,35

BCF

CAS No	Chemical name	BCF	Species	Source
79-10-7	acrylic acid; prop-2-enoic acid	3,162		calc.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.



according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868 Page 9 of 11

Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must

be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease,

soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

List of Wastes Code - used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease,

soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

List of Wastes Code - contaminated packaging

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately

collected municipal packaging waste); mixed packaging

Contaminated packaging

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.

14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.14.4. Packing group:No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.

14.4. Packing group:

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:No dangerous good in sense of this transport regulation.14.2. UN proper shipping name:No dangerous good in sense of this transport regulation.14.3. Transport hazard class(es):No dangerous good in sense of this transport regulation.

14.4. Packing group:

14.5. Environmental hazards

No dangerous good in sense of this transport regulation.

No dangerous good in sense of this transport regulation.



according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868 Page 10 of 11

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Refer to section 6-8

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 57

2010/75/EU (VOC):

No information available.

2004/42/EC (VOC):

No information available.

Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III)

(SEVESO III):

Additional information

Safety Data Sheet according to UK-REACH Regulation

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII: not relevant

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Changes

Rev. 1.0; Initial release 29.11.2021

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement

concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European LIst of Notified Chemical Substances

ECHA: European Chemicals Agency EWC: European Waste Catalogue

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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

ICAO: International Civil Aviation Organization

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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

h: hour

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent



according to UK REACH Regulation

Co-polymer SAT-xx

Revision date: 29.11.2021 Product code: 445262_445868 Page 11 of 11

LD50: Lethal dose, 50 percent

NOAEL: No observed adverse effect level

NOAEC: No observed adverse effect concentration

NLP: No-Longer Polymers N/A: not applicable

OECD: Organisation for Economic Co-operation and Development

PNEC: predicted no effect concentration PBT: Persistent bioaccumulative toxic

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

REACH: Registration, Evaluation, Authorisation of Chemicals

SVHC: substance of very high concern TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

Key literature references and sources for data

https://echa.europa.eu/

https://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp

https://cfpub.epa.gov/ecotox/search.cfm

http://www.inchem.org/#/search

https://www.nlm.nih.gov/toxnet/index.html http://ccinfoweb.ccohs.ca/rtecs/search.html

https://webrigoletto.uba.de/rigoletto/

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.