Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

1.1. Product identifier

Product form : *Mixture*

Trade name : *Selsil SC431 Acetoxy Silicone*

Product code : *SC431*

Type of product : *Paste*

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

1.2.1. Relevant identified uses

Intended for general public

Use of the substance/mixture : *Adhesives, sealants*

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

SEL DIŞ TİCARET VE KİMYA A.Ş.
Fevzi Paşa Mahallesi Kınıklı Kavşağı Cad
E–5 Karayolu Üzeri, No:138 Sel Binası
İstanbul - TÜRKİYE
T +90 212 735 34 00 - F +90 212 735 34 66
info@selsil.com.tr - selsil.com

1.4. Emergency telephone number

Emergency number : *+90 212 735 34 00 (SEL)*

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment — Chronic Hazard, Category 3	*H412*

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP) : *-*

Hazard statements (CLP)	:	*H412 - Harmful to aquatic life with long lasting effects.*
Precautionary statements (CLP)	:	*P102 - Keep out of reach of children.* *P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.*
EUH-statements	:	*EUH208 – Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one . May produce an allergic reaction.*
Child-resistant fastening	:	*Not applicable*
Tactile warning	:	*Not applicable*

2.3. Other hazards

This product does not contain octamethylcyclotetrasiloxane (D4), Decamethylcyclopentasiloxane (D5) and Dodecamethylcyclohexasiloxane (D6) that has been identified by the Member State Committee of ECHA as fulfilling the PBT and vPvB criteria laid down in Annex XIII to Regulation (EC) No 1907/2006.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. *Mixtures*

Name	***Product identifier***	*%*	***Classification according to Regulation (EC) No. 1272/2008 [CLP]***
Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	(EC-No.) *934-954-2*	*> 20 – < 30*	*Asp. Tox. 1, H304*
4,5-dichloro-2-octyl-2H-isothiazol-3-one	(CAS-No.) *64359-81-5* (EC-No.) *264-843-8*	*≥ 0.012 – ≤ 0.024*	*Skin Irrit. 2, H315* *Eye Irrit. 2, H319* *Skin Sens. 1, H317* *Asp. Tox. 1, H304* *Aquatic Acute 1, H400 (M=100)* *Aquatic Chronic 1, H410 (M=10)*

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : *Remove person to fresh air and keep comfortable for breathing.*

First-aid measures after skin contact : *Wash skin with plenty of water.*

First-aid measures after eye contact : *Rinse eyes with water as a precaution.*

First-aid measures after ingestion : *Call a poison center or a doctor if you feel unwell.*

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

No additional 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 : *Water spray. Dry powder. Foam. Carbon dioxide.*

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : *Toxic fumes may be released.*

5.3. Advice for firefighters

Protection during firefighting : *Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.*

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : *Ventilate spillage area.*

6.1.2. For emergency responders

Protective equipment : *Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".*

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : *Take up liquid spill into absorbent material.*

Other information : *Dispose of materials or solid residues at an authorized site.*

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : *Ensure good ventilation of the work station. Wear personal protective equipment.*

Hygiene measures : *Do not eat, drink or smoke when using this product. Always wash hands after handling the product.*

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : *Store in a well-ventilated place. Keep cool.*

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Gloves.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : *Liquid*

Appearance : *Paste.*

Colour : *clear.*

Odour	*: Acetic acid.*
Odour threshold	*: No data available*
pH	*: No data available*
Relative evaporation rate (butylacetate=1)	*: No data available*
Melting point	*: Not applicable*
Freezing point	*: No data available*
Boiling point	*: No data available*
Flash point	*: No data available*
Auto-ignition temperature	*: No data available*
Decomposition temperature	*: No data available*
Flammability (solid, gas)	*: Not applicable*
Vapour pressure	*: No data available*
Relative vapour density at 20 °C	*: No data available*
Relative density	*: No data available*
Density	*: 0.96 g/cm³ ±0,03*
Solubility	*: No data available*
Partition coefficient n-octanol/water (Log Pow)	*: No data available*
Viscosity, kinematic	*: (estimated value)*
Viscosity, dynamic	*: No data available*
Explosive properties	*: No data available*
Oxidising properties	*: No data available*
Explosive limits	*: No data available*

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : *Not classified*

Acute toxicity (dermal) : *Not classified*

Acute toxicity (inhalation) : *Not classified*

4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)	
LD50 oral rat	*1.636 mg/kg*
LC50 Inhalation - Rat	*0.26 mg/l/4h*

Skin corrosion/irritation : *Not classified*

Serious eye damage/irritation : *Did not cause allergic skin reactions when tested in guinea pigs based on testing for a similar product.*

Respiratory or skin sensitisation : *Not classified*

Germ cell mutagenicity : *Not classified*

Carcinogenicity : *Not classified*

Reproductive toxicity : *Not classified*

STOT-single exposure : *Not classified*

STOT-repeated exposure : *Not classified*

4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)	
NOAEL (subacute, oral, animal/male, 28 days)	*20 mg/kg bodyweight*

Aspiration hazard : *Not classified*

Selsil SC431 Acetoxy Silicone	
Viscosity, kinematic	*(estimated value)*

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : *Harmful to aquatic life with long lasting effects.*

Hazardous to the aquatic environment, short-term (acute) : *Not classified*

Hazardous to the aquatic environment, long-term (chronic) : *Harmful to aquatic life with long lasting effects.*

4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)	
LC50 - Fish [1]	*0.0027 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pisces, Experimental value)*
EC50 - Crustacea [1]	*0.0052 mg/l (48 h, Daphnia magna, Literature study)*
EC50 - Other aquatic organisms [1]	*> 5.7 mg/l*
ErC50 algae	*0.077 mg/l (OECD 201: Alga, Growth Inhibition Test, 96 h, Pseudokirchneriella subcapitata, Experimental value)*
NOEC (chronic)	*0.00063 mg/l*
NOEC chronic fish	*0.00056 mg/l*

12.2. Persistence and degradability

4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)	
Persistence and degradability	*Biodegradable in the soil. Readily biodegradable in water.*

12.3. Bioaccumulative potential

4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)	
Partition coefficient n-octanol/water (Log Pow)	*3.59 (Literature study)*
Bioaccumulative potential	*Low potential for bioaccumulation (Log Kow < 4).*

12.4. Mobility in soil

4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)	
Ecology - soil	*No (test)data on mobility of the substance available. Toxic to flora.*

12.5. Results of PBT and vPvB assessment

Component	

Component	
4,5-dichloro-2-octyl-2H-isothiazol-3-one (64359-81-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : *Dispose of contents/container in accordance with licensed collector's sorting instructions.*

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	*Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics*

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

CLP	*Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008*
ADN	*European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways*
ADR	*European Agreement concerning the International Carriage of Dangerous Goods by Road*
ATE	*Acute Toxicity Estimate*

BCF	*Bioconcentration factor*
BLV	*Biological limit value*
BOD	*Biochemical oxygen demand (BOD)*
COD	*Chemical oxygen demand (COD)*
DMEL	*Derived Minimal Effect level*
DNEL	*Derived-No Effect Level*
EC-No.	*European Community number*
EC50	*Median effective concentration*
EN	*European Standard*
IARC	*International Agency for Research on Cancer*
IATA	*International Air Transport Association*
IMDG	*International Maritime Dangerous Goods*
LC50	*Median lethal concentration*
LD50	*Median lethal dose*
LOAEL	*Lowest Observed Adverse Effect Level*
NOAEC	*No-Observed Adverse Effect Concentration*
NOAEL	*No-Observed Adverse Effect Level*
NOEC	*No-Observed Effect Concentration*
OECD	*Organisation for Economic Co-operation and Development*
OEL	*Occupational Exposure Limit*
PBT	*Persistent Bioaccumulative Toxic*
PNEC	*Predicted No-Effect Concentration*
RID	*Regulations concerning the International Carriage of Dangerous Goods by Rail*
SDS	*Safety Data Sheet*
STP	*Sewage treatment plant*
ThOD	*Theoretical oxygen demand (ThOD)*
TLM	*Median Tolerance Limit*
VOC	*Volatile Organic Compounds*
CAS-No.	*Chemical Abstract Service number*
N.O.S.	*Not Otherwise Specified*
vPvB	*Very Persistent and Very Bioaccumulative*
ED	*Endocrine disrupting properties*

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Data sources : Classification according to Classification, Labelling and Packaging of Substances and Mixtures (SEA) Regulation published in the Official Journal numbered 28848 on December 11, 2013. Regulation on Health and Safety Precautions When Working with Chemical Substances published in the Official Journal numbered 28733 on August 12, 2013.

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains . May produce an allergic reaction.

Disclaimer: This Certificate provides restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. This Certificate does not provide certification of a comprehensive safety assessment of all product constituents.

SDS EU (Sel)

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