



SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier

Product name: SELLADOR DE SILICONA ACÉTICA | ALTA TEMPERATURA

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

Relevant identified uses: Seals, pastes, insulates a variety of materials such as glass, aluminum, ceramics, tiles. Does not adhere on PE (polyethylene) or PP (polypropylene). Do not use for structural bonding, aquariums, laminated glass, ferrous metals, aquariums, concrete or painted surfaces. Not paintable.

1.3 Details of the supplier of the Safety Data Sheet

TECNOLOGÍA ARGENTINA EN CINTAS S.A. (TACSA)
Av. Felipe Pastre 1790, (B1686HRD) Hurlingham, Buenos Aires – Argentina.
P: +54 11 7700 1900 - Web: www.tacsa.com.ar

1.4 Emergency telephone number

Emergency phone (24 hours): CIQUIME 0800 222 2933 (from Argentina)
+54 11 4552 8747 (other countries)

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to the Globally Harmonized System

Skin irritation (Category 2) - Eye irritation (Category 2)

2.2 Label elements

Pictogram:



WARNING

Signal word:

Hazard statements:

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

Precautionary statements:

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 - IF SKIN IRRITATION OCCURS: Get medical advice/attention.

P337 + P313 - IF EYE IRRITATION PERSISTS: Get medical advice/attention.

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Created:	CIQUIME		

P362 - Take off contaminated clothing and wash before reuse.

2.3 Other hazards

None.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Siloxanes and Silicones, di-Me, hydroxy-terminated (CAS 70131-67-8): > 70% - Not classified // Does not apply.

3.2 Mixtures

IDENTIFICATION NAME	CAS No.	Weight %	CLASSIFICATION
Polydimethylsiloxane, terminal silanol	70131-67-8	> 70	Not classified
Methylsilanetriyl triacetate	4253-34-3	1 - 5	Acute Tox. 4; Skin Corr. 1C; Eye Dam. 1
Poly(dimethylsiloxane)	9016-00-6	5 - 10	Skin Irr. 3; Eye Irr. 2

The product may contain hazardous components in proportions below the concentration limits established in the GHS and/or non-hazardous components not stated in this section. All known hazards of the product are reported in the SDS.

SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures

General advice:	Avoid exposure to the product, taking appropriate protective measures. Get medical advice.
Inhalation:	For those providing assistance, avoid exposure. Use proper protection if necessary. Move victim and get fresh air. Keep calm. If not breathing, give artificial respiration. Get medical advice.
Skin contact:	Wash immediately after contact with soap and water for at least 15 minutes. Remove contaminated clothing and wash before reuse.
Eye contact:	Immediately flush with water for at least 15 minutes, holding eyelids apart to ensure that all eye and lid tissues rinsed. Washing eyes within several seconds is essential to achieve maximum effectiveness. If you have contact lenses, remove them after the first 5 minutes, then continue rinsing eye. Get medical advice.
Ingestion:	DO NOT INDUCE VOMITING. Rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical advice. If vomiting occurs spontaneously, place victim on side to reduce the risk of aspiration.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: may cause irritation of the respiratory tract.

Skin contact: may produce skin irritation.

Eye contact: causes eye irritation.

Ingestion: may cause irritation of the mucous membranes of the gastrointestinal tract.

4.3 Indication of any immediate medical attention and special treatment needed

Medical advice: Provide symptomatic treatment. For more information, contact a Poison Control Center.

SECTION 5 – FIREFIGHTING MEASURES

5.1 Extinguishing media

Use dry chemical, foam, sand or water spray. Use the product according to surrounding materials. DO NOT USE straight streams.

5.2 Special hazards arising from the substance or mixture

The product and its packaging can burn but they are not easily ignited.

5.3 Advice for firefighters

5.3.1 Firefighting instructions

Spray-water the packaging to avoid ignition if exposed to excessive heat or fire. Withdraw packaging if not reached by the flames and can be done without risk.

Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water.

5.3.2 Protective clothing

Use SCBA and structural protection clothing for firefighters.

5.3.3 Hazardous combustion products

In case of fire may release irritating fumes and gases and/or toxic gases, such as carbon monoxide, formaldehyde and other substances derived from incomplete combustion.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to a ventilated area.

6.1.2 For emergency responders

In large spills wear protective clothing against chemicals. It may provide no thermal protection. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to a ventilated area. Ventilate immediately, especially in low areas where vapours may accumulate. Do not allow reuse of spilled product.

6.2 Environmental precautions

Contain product and avoid dispersion into the environment. Prevent product reaches waterways.

6.3 Methods and material for containment and cleaning up

Collect spillage with shovel and place into a suitable container. Clean and thoroughly wash the contaminated area. Dispose of the water and collected waste in marked containers for disposal as chemical waste.

6.4 Reference to other sections

See Section 8 - Exposure Controls and Personal Protection, and Section 13 – Disposal considerations.

SECTION 7 – HANDLING AND STORAGE**7.1 Precautions for safe handling**

Do not eat, drink or smoke during handling. Avoid contact with eyes, skin and clothing. Wash after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in a clean, dry, well-ventilated area. Keep containers/packages closed. Recommended storage temperature: 25°C.
Packaging materials:	Supplied by the manufacturer.
Incompatibilities:	Keep away from Strong oxidizing agents.

7.3 Specific end use(s)

Seals, pastes, insulates a variety of materials such as glass, aluminum, ceramics, tiles. Does not adhere on PE (polyethylene) or PP (polypropylene). Do not use for structural bonding, aquariums, laminated glass, ferrous metals, aquariums, concrete or painted surfaces. Not paintable.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Control parameters**

CMP (Res. MTESS 295/03):	N/D
CMP-CPT (Res. MTESS 295/03):	N/D
CMP-C (Res. MTESS 295/03):	N/D
TLV-TWA (ACGIH):	N/D
TLV-STEL (ACGIH):	N/D
PEL (OSHA 29 CFR 1910.1000):	N/D
IDLH (NIOSH):	N/D

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Keep workplace ventilated. The normal routine ventilation is usually adequate. Local hoods should be used for operations that produce or release large amounts of product. In low or confined areas should be provided mechanical ventilation. Provide showers and eyewash stations.

8.2.2. Individual protection measures, such as personal protective equipment

Eye and face protection: Should wear safety glasses, chemical splash-proof (complying with EN 166).

Skin protection: When handling this product should wear impermeable protective butyl, Viton® or nitrile gloves (complying with standards EN 374), clothes and safety footwear resistant to chemicals.

Respiratory protection: Where necessary, use an organic vapours (A) respirator. Special attention to oxygen levels in the air should be paid. If large releases occur, wear self-contained breathing apparatus (SCBA).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Transparent paste.
Colour:	Translucent.
Odour:	to acetic acid.
Odour threshold:	N/D
pH:	N/D
Melting point:	N/D
Boiling point:	360°C (680°F) - estimated
Evaporation rate:	N/D
Flammability:	The product is not flammable.
Flash point:	> 100°C (212°F) - c.c.t.
Explosive limits:	N/D
Auto-ignition temperature:	260°C (500°F) - estimated
Decomposition temperature:	N/D
Vapour pressure (20°C):	4,2 hPa - estimated
Vapour density (air=1):	N/D
Relative density (20°C):	0,90 - 0,95 g/cm ³
Solubility (20°C):	N/D
Partition coefficient (logKo/w):	N/D
Viscosity (cSt, 20°C):	N/D
Henry constant (20°C):	N/D

Explosive properties:	Not explosive. According to column 2 of Annex VII of REACH, this study is not required because: in the molecule no chemical groups are associated with explosive properties.
Oxidizing properties:	According to column 2 of Annex XVII of REACH, this study is not necessary because: the substance, its chemical structure is incapable of reacting exothermically with combustible materials.

9.2 Other information

Other properties: None.

SECTION 10 – STABILITY AND REACTIVITY

10.1. Reactivity

It is not expected that product reactions or decomposition may occur under normal storage conditions. It does not contain organic peroxides. It is not corrosive to metals. Does not react with water.

10.2. Chemical stability

The product is chemically stable and does not require stabilizers. When exposed to water or moist air, the product develops acetic acid. When heated to temperatures above 150°C (300°F) in the presence of air, formaldehyde vapors may form.

10.3. Possibility of hazardous reactions

No hazardous polymerization is expected.

10.4. Conditions to avoid

Avoid high temperatures and humidity.

10.5. Incompatible materials

Keep away from Strong oxidizing agents.

10.6. Hazardous decomposition products

When heated, it may release toxic and irritating vapors. In case of fire, see section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	There is no information on the toxicity of the product, but estimates of acute toxicity are presented. ATE-LD50 oral (rat, calc.): > 5000 mg / kg ATE-LD50 der (rabbit, calc.): > 5000 mg/kg ATE-LC50 inh. (rat, 4hs., calc.): > 5 mg/l
Skin corrosion / irritation:	Skin irr. (rabbit, estim.): irritant
Serious eye damage / irritation:	Eye irr. (rabbit, estim.): irritant

Respiratory or skin sensitization: Skin sens (Guinea pig, estim.): not sensitising
Resp. sens (Guinea pig, estim.): not sensitizing

Carcinogenicity, mutagenicity and reproductive toxicity:

No information is available on any component of this product, which has levels greater than or equal to 0.1%, classified as a probable, possible or confirmed human carcinogen by the International Agency for Research on Carcinogens.

Mutagenicity: No specific or relevant data available for evaluation.

Tox. Repr. : No specific or relevant data are available for evaluation.

Teratogenicity: No specific or relevant data available for evaluation.

Acute effects:

Routes of exposure: Inhalation, skin and eye contact.

Inhalation: may cause irritation of the respiratory tract.

Skin contact: may produce skin irritation.

Eye contact: causes eye irritation.

Ingestion: may cause irritation of the mucous membranes of the gastrointestinal tract.

STOT-SE: No specific or relevant data are available for evaluation.

STOT-RE: No specific or relevant data are available for evaluation.

SECTION 12 – ECOLOGICAL INFORMATION

12.1. Toxicity

No information on the ecotoxicity of the product but ecotoxicity estimate calculations are presented.

ATE-EC50 (O. mykiss, calc., 96 h): > 100 mg/l

ATE-EC50 (D. magna, calc., 48 h): > 100 mg/l

ATE-EC50 (P. subcapitata, calc., 72 h): > 100 mg/l

ATE-EC50 (T. pyriformis, calc., 48 h): > 100 mg/l

ATE-NOEC (D. rerio, calc., 14 d): > 1 mg/l

ATE-NOEC (D. magna, calc., 14 d): > 1 mg/l

When exposed to water or moist air, the product develops acetic acid. It can cause damage to the environment due to the effects on the pH.

PNEC (water): N/D

PNEC (sea): N/D

PNEC-STP: N/D

12.2. Persistence and degradability

BIODEGRADABILITY (-): No test data available.

12.3. Bioaccumulative potential

Log K_{ow} : N/D

BIOCONCENTRATION FACTOR - BCF (OCDE 305): N/D

12.4. Mobility in soil

HENRY CONSTANT (20°C): N/D

LogKoc: N/D.

12.5. Results of PBT and vPvB assessment

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

This substance / mixture does not meet the vPvB criteria in Annex XIII of REACH.

12.6. Other adverse effects

AOX and metal containing: Does not contain organic halogens nor metals.

SECTION 13 – DISPOSAL CONSIDERATIONS

Both the excess product and empty containers should be disposed of in accordance with current legislation regarding the Protection of Environment and particularly of hazardous waste. It should classify the waste and dispose of it by an authorized company.

Empty containers may contain residue and thus be dangerous. Do not attempt to refill or clean containers without possessing the appropriate instructions.

SECTION 14 – TRANSPORT INFORMATION**14.1 Transport by land**

Proper Shipping Name:	NOT CLASSIFIED AS A DANGEROUS GOODS
UN/ID Number:	NOT CLASSIFIED AS A DANGEROUS GOODS
Hazard class:	NOT CLASSIFIED AS A DANGEROUS GOODS
Packing group:	NOT CLASSIFIED AS A DANGEROUS GOODS
Hazard identification number:	NOT CLASSIFIED AS A DANGEROUS GOODS
Excepted and limited quantity:	NOT CLASSIFIED AS A DANGEROUS GOODS

14.2 Air transport (ICAO/IATA)

Proper Shipping Name:	NOT CLASSIFIED AS A DANGEROUS GOODS
UN/ID Number:	NOT CLASSIFIED AS A DANGEROUS GOODS
Hazard class:	NOT CLASSIFIED AS A DANGEROUS GOODS
Packing group:	NOT CLASSIFIED AS A DANGEROUS GOODS
PAX and Cargo Packing instructions:	NOT CLASSIFIED AS A DANGEROUS GOODS
Cargo Packing instructions:	NOT CLASSIFIED AS A DANGEROUS GOODS
ERC:	NOT CLASSIFIED AS A DANGEROUS GOODS
Special provisions:	NOT CLASSIFIED AS A DANGEROUS GOODS

14.3 Sea transport (IMO)**IMDG Code**

Proper Shipping Name:	NOT CLASSIFIED AS A DANGEROUS GOODS
UN/ID N°:	NOT CLASSIFIED AS A DANGEROUS GOODS
Hazard class:	NOT CLASSIFIED AS A DANGEROUS GOODS
Packing group:	NOT CLASSIFIED AS A DANGEROUS GOODS
EMS:	NOT CLASSIFIED AS A DANGEROUS GOODS
Stowage and manipulation:	NOT CLASSIFIED AS A DANGEROUS GOODS

Segregation: NOT CLASSIFIED AS A DANGEROUS GOODS
 Marine pollutant: NO
 Proper Shipping Name: NOT CLASSIFIED AS A DANGEROUS GOODS

SECTION 15 – REGULATORY INFORMATION

Not dangerous for the ozone layer (1005/2009/EC).
 Volatile organic compounds (VOC's) (1999/13/EC): < 3%

Regulation

Globally Harmonized System of Classification and Labeling of Chemicals, Fifth Revised Edition, 2015 (SGA 2015 - "ST / SG / AC 10/30 / Rev.5"). The fifth edition is taken into consideration because it is the one valid for Argentina according to Resolution 801/2015 of the SRT. In any case, the information is contrasted with Revision 6 ("ST / SG / AC 10/30 / Rev.6) and clarification is made as necessary.

European Agreement on the International Carriage of Dangerous Goods by Road (ADR 2017) and amendments.

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID 2017) and amendments.

International Maritime Dangerous Goods Code (IMDG 2016 - Amendment 38-16), International Maritime Organization (IMO).

IBC Code 2016, IMO, Resolution MSC.369 (93).

Regulations of the International Air Transport Association (IATA 58 ed., 2017) concerning the transport of dangerous goods by air.

SECTION 16 – OTHER INFORMATION

16.1 Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists.	N/D: no information available at the time of making the SDS.
AOX: Halogenated organic components	NIOSH: National Institute for Occupational Safety and Health
BCF: Bioconcentration factor	OECD: Organization for Economic Cooperation and Development
CAS: Chemical Abstract Service	PEL: Permissible Exposure Limit.
EC50: Mean effective concentration	PNEC: Predicted no-effect concentration
IC50: Mean inhibitory concentration.	REACH: Registration, Evaluation, Authorization and Restriction of chemical substances and mixtures of the European Union
LC50: Mean lethal concentration.	REL: Recommended Exposure Limit.
LD50: Mean lethal dose	GHS: Globally Harmonized System of Classification and Labeling of Chemical Products.
ATE: Acute toxicity estimation	STEL: Short-term Exposure Limit
IARC: International Agency for Research on Cancer.	TLV: Threshold Limit Value
IDLH: Concentration immediately dangerous to life or health.	TWA: Time-weighted average
INSHT: National Institute for Safety and Hygiene at Work.	: Changes with respect to the previous revision.
N/A: the property is not applicable due to the physical, chemical and toxicological characteristics of the product.	
DENOMINATION OF GHS CLASSES	Skin Corr./Irrit.: Corrosion / skin irritation
Aer.: aerosols	Eye Damage/Irrit.: Serious eye damage / eye irritation
Oxid. Gas: oxidizing gas	Lac.: toxic for reproduction - lactation
Compressed gas: compressed gas	Muta.: mutagenicity
Dissolved gas: dissolved gas	

Flam. Gas: flammable gas.	Repr.: toxic for reproduction
Liquefied Refr. Gas: refrigerated liquefied gas	Sens skin: skin sensitizer
Liquefied gas: liquefied gas	Resp. Sens.: respiratory sensitizer
Oxid. Liquid: oxidizing liquid	STOT Rep. Exp.: Specific target organ toxicity - repeated exposure
Flam. Liquid: flammable liquid	STOT Single Exp.: Specific target organ toxicity - single exposure
Pyr. Liq.: pyrophoric liquid	Acute Tox.: Acute toxicity
Met. Corr.: corrosive for metals	Aquatic Acute: Hazardous to the aquatic environment - acute hazard
Org. Perox.: organic peroxide	Aquatic Chronic: Hazardous to the aquatic environment - chronic danger
Water React. Flam. Gas: substance reactive with water, which emits flammable gases	Ozo.: Dangerous for the ozone layer.
Oxid. Solid: oxidizing solid	
Flam. Solid: flammable solid	
Asp Tox.: aspiration toxicity	
Carc.: carcinogenicity	

16.2 Key literature references and sources for data

International Agency for Research on Cancer (IARC), carcinogen classification.
 European Regulation 1272/2008, Classification, labeling and packing (CLP)
 European Agreement on the International Carriage of Dangerous Goods by Road (ADR 2017) and amendments.
 Regulations concerning the International Carriage of Dangerous Goods by Rail (RID 2017) and amendments.
 International Maritime Dangerous Goods Code (IMDG 2016 - Amendment 38-16), International Maritime Organization (IMO).
 IBC Code 2016, IMO, Resolution MSC.369 (93).
 Regulations of the International Air Transport Association (IATA 58 ed., 2017) concerning the transport of dangerous goods by air.

16.3 Classification and procedure used to derive the classification for mixtures

The classification was performed based on chemical analogues and product information.
 SECTION 2: classification by analogy with other products, and based on product data.
 SECTION 9: product data.
 SECTION 11 and 12: analogy with other products.
 Acute toxicity: calculation method for estimating acute toxicity.

16.4 Disclaimer

This information only concerns the above mentioned product and is not to be valid for other (s) product (s) or in any process. This safety data sheet provides health and safety information. The information is to our best knowledge, correct and complete. It is given in good faith but without warranty. The product should be used in applications consistent with our product literature. Individuals handling this product should be in-formed of the recommended safety precautions and should have access to this information. For any other use, exposure should be evaluated so that they can implement appropriate handling practices and training programs to ensure safe operations in the workplace.

It remains the user's own responsibility that this information is appropriate and complete for the special use of this product.

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