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

1.1 Product identifier

Product name: SELLADOR ACRÍLICO TACSA

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

Relevant identified uses: Bonding and sealing.

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 2A)

2.2 Label elements

Pictogram:

Signal word: WARNING

Hazard statements:
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

Precautionary statements:
P264 - Wash thoroughly after handling.
P280 - Wear protective gloves.
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.

2.3 Other hazards

None.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Does not apply.

3.2 Mixtures

IDENTIFICATION NAME	CAS No.	Weight %	CLASSIFICATION
Polyacrylic acid	9003-01-4	> 30	Not classified
Calcium carbonate, with residual $Ca(OH)_2$	471-34-1	> 30	Skin Irrit. 2, Eye Damage 1; STOT Single Exp. 3
n-Dioctyl phthalate	117-84-0	1 - 10	Not Classified
Silica, hydrate	10279-57-9	0 - 5	Not Classified
Sodium hydroxide	1310-73-2	0 - 1	Met. Corr. 1; Skin Corr. 1B; Eye Damage 1; Aquatic Acute 3

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. Confidential information on the composition, if present, has been clarified.

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 coughing, headache, sore throat.
Skin contact: may cause an allergic skin reaction.
Eye contact: may cause eye irritation.
Ingestion: may be harmful.

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 and/or toxic fumes and gases, such as carbon monoxide 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 where product 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. TACSA guarantees this product for 24 months in unopened containers in a cool and dry storage place at temperatures between 5°C and 27°C.
Packaging materials:	Supplied by the manufacturer.
Incompatibilities:	Keep away from Strong oxidizing agents, acids and organic peroxides.

7.3 Specific end use(s)

Bonding and sealing.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

CMP (Res. MTESS 295/03):	10 mg/m³, partículas inhalables 3 mg/m³, partículas respirables
CMP-CPT (Res. MTESS 295/03):	N/D
CMP-C (Res. MTESS 295/03):	N/D
TLV-TWA (ACGIH):	10 mg/m³, inhalable particles 3 mg/m³, respirable particles
TLV-STEL (ACGIH):	N/D
PEL (OSHA 29 CFR 1910.1000):	15 mg/m³, particles
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 PVC, nitrile or butyl gloves (complying with standards EN 374), clothes and safety footwear resistant to chemicals.
Respiratory protection:	Where necessary, use an appropiate 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:	Paste.
Colour:	N/D
Odour:	N/D
Odour threshold:	N/D
pH:	N/D
Melting point:	N/D
Boiling point:	N/D
Evaporation rate:	N/D
Flammability:	The product is not flammable.
Flash point:	> 90°C (194°F)
Explosive limits:	N/D
Auto-ignition temperature:	N/D
Decomposition temperature:	N/D
Vapour pressure (20°C):	N/D
Vapour density (air=1):	N/D
Relative density (20°C):	1,60 - 1,62 g/cm³
Solubility (20°C):	Soluble in water.
Partition coefficient (logKo/w):	N/D
Viscosity (cSt, 40°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 substances present in the product, due to their chemical structures, are 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.

10.3. Possibility of hazardous reactions

No hazardous polymerization is expected.

10.4. Conditions to avoid

Avoid high temperatures. The product cures in contact with moist air or moisture.

10.5. Incompatible materials

Keep away from Strong oxidizing agents, acids and organic peroxides.

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 about the toxicity of the product, but acute toxicity estimations are presented. ATE-LD50 oral (calc.): > 2000 mg/kg ATE-LD50 der (calc.): > 5000 mg/kg ATE-LC50 inh. (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:

Carcinogenicity: No information is available on any component of this product, present at levels greater than or equal to 0.1%, that is classified as probable, possible or confirmed human carcinogen by IARC (International Agency for Research on Cancer).
Mutagenicity: There are no components of this product, present at a concentration greater than or equal to 0.1%, that classify as mutagens according to the GHS.
Tox. Repr .: There are no components of this product, present at a concentration greater than or equal to 0.1%, that classify as hazardous for reproduction according to the GHS.
Teratogenicity: There are no components of this product, present at a concentration greater than or equal to 0.1%, that classify as a teratogen.

Acute effects:

Routes of exposure: Inhalation, skin and eye contact.
Inhalation may cause coughing, headache, sore throat.
Skin contact: may cause an allergic skin reaction.
Eye contact: may cause eye irritation.
Ingestion: may be harmful.
STOT-SE: There are no components of this product, present at a concentration greater than or equal to 1%, that they classify as toxic to target organs according to the GHS.
STOT-RE: There are no components of this product, present at a concentration greater than or equal to 1%, that they classify as toxic to target organs according to the GHS.
Aspiration: The product is a solid, which is why the GAS aspiration hazard criterion is not applicable.

SECTION 12 – ECOLOGICAL INFORMATION

12.1. Toxicity

There is no information about the ecotoxicity of the product, but acute toxicity estimations are presented.
ATE-EC50 (fishes, calc., 96 h): > 100 mg/l
ATE-EC50 (inv., calc., 48 h): > 100 mg/l
ATE-EC50 (algae, calc., 72 h): > 100 mg/l
ATE-NOEC (fishes, calc., 14 d): > 1 mg/l
ATE-NOEC (inv., calc., 14 d): > 1 mg/l
PNEC (water): N/D
PNEC (sea): N/D
PNEC-STP: N/D

12.2. Persistence and degradability

BIODEGRADABILITY (estimated): No test data, but the product is expected to be biodegradable.

12.3. Bioaccumulative potential

Log $K_{o/w}$: N/D
BIOCONCENTRATION FACTOR - BCF (OCDE 305): N / A - There are no product data that indicates that it has bioaccumulation problems in living organisms or of incidence in the food chain.

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. Waste should be classified and disposed by an authorized company.
Empty containers may contain residue and thus be dangerous. Do not attempt to refill or clean containers without 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): N/D

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 Indus-trial Hygienists.
AOX: Halogenated organic components
BCF: Bioconcentration factor
CAS: Chemical Abstract Service
EC50: Mean effective concentration
IC50: Mean inhibitory concentration.
LC50: Mean lethal concentration.
LD50: Mean lethal dose
ATE: Acute toxicity estimation
IARC: International Agency for Research on Cancer.
IDLH: Concentration immediately dangerous to life or health.
INSHT: National Institute for Safety and Hygiene at Work.
N/A: the property is not applicable due to the physical, chemical and toxicological characteristics of the product.
N/D: no information available at the time of making the SDS.
NIOSH: National Institute for Occupational Safety and Health
OECD: Organization for Economic Cooperation and Development
PEL: Permissible Exposure Limit.
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorization and Restriction of chemical substances and mixtures of the European Union
REL: Recommended Exposure Limit.
GHS: Globally Harmonized System of Classification and Labeling of Chemical Products.
STEL: Short-term Exposure Limit
TLV: Threshold Limit Value
TWA: Time-weighted average
|: Changes with respect to the previous revision.

DENOMINATION OF GHS CLASSES
Aer.: aerosols
Oxid. Gas: oxidizing gas
Compressed gas: compressed gas
Dissolved gas: dissolved gas
Flam. Gas: flammable gas.
Liquefied Refr. Gas: refrigerated liquefied gas
Liquefied gas: liquefied gas
Oxid. Liquid: oxidizing liquid
Flam. Liquid: flammable liquid
Pyr. Liq.: pyrophoric liquid
Met. Corr.: corrosive for metals
Org. Perox.: organic peroxide
Water React. Flam. Gas: substance reactive with water, which emits flammable gases
Oxid. Solid: oxidizing solid
Flam. Solid: flammable solid
Asp Tox.: aspiration toxicity
Carc.: carcinogenicity
Skin Corr./Irrit.: Corrosion / skin irritation
Eye Damage/Irrit.: Serious eye damage / eye irritation
Lac.: toxic for reproduction - lactation
Muta.: mutagenicity
Repr.: toxic for reproduction
Sens skin: skin sensitizer
Resp. Sens.: respiratory sensitizer
STOT Rep. Exp.: Specific target organ toxicity - repeated exposure
STOT Single Exp.: Specific target organ toxicity - single exposure
Acute Tox.: Acute toxicity
Aquatic Acute: Hazardous to the aquatic environment - acute hazard
Aquatic Chronic: Hazardous to the aquatic environ-men - chronic danger
Ozo.: Dangerous for the ozone layer.

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.