



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

### 1.1 Product identifier

Product name: ADHESIVO DE CONTACTO TACSA

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

Relevant identified uses: Adhesive.

### 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](http://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

Flammable liquids (Category 2)

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

Reproductive toxicity (Category 2)

Specific target organ toxicity – single exposure (Category 3)

Specific target organ toxicity – repeated exposure (Category 2)

Short-term (acute) aquatic hazard (Category 2)

Long-term (chronic) aquatic hazard (Category 3)

### 2.2 Label elements

#### Pictogram:



DANGER

#### Signal word:

#### Hazard statements:

H225 - Highly flammable liquid and vapour.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H361 - Suspected of damaging fertility or the unborn child.

H373 - May cause damage to organs through prolonged or repeated exposure.

H401 + H412 - Toxic to aquatic life with long lasting effects.

Version: 1 Emission date: January, 2021

Replaces:

Created: CIQUIME Revised: TECNOLOGÍA ARGENTINA EN CINTAS S.A. (TACSA)

**Precautionary statements:**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 - Do not breathe fume, gas, mist, vapours or spray.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

P280 - Wear protective gloves.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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 or attention.

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

P362 + P364 - Take off contaminated clothing and wash it before reuse.

P370 + P378 - IN CASE OF FIRE: Use water spray, foam, dry chemical or carbon dioxide to extinguish.

P403 + P235 - Store in a well-ventilated place. Keep cool.

P501 - Dispose of contents and/or container in accordance with national and international regulations.

**2.3 Other hazards**

There are no other additional hazards of consideration in the classification.

**SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

**CONFIDENTIAL COMMERCIAL INFORMATION.**  
**IN CASE OF EMERGENCIES CONTACT CIQUIME 0800 222 2933 (from Argentina)**  
**+54 11 4552 8747 (other countries)**

**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 dizziness, drowsiness, and central nervous system depression.

Skin Contact: May cause irritation and dermatitis on prolonged skin contact.

Eye contact: may cause eye irritation.

Ingestion: May cause nausea, vomiting, and stomach upset.

## 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, CO<sub>2</sub>, sand or AR-foam.

Extinguishing media contraindicated: This product has a very low flash point. Use of water jet may be ineffective in fighting fires.

## 5.2 Special hazards arising from the substance or mixture

HIGHLY FLAMMABLE. The material can accumulate static charges that can produce an electrical discharge that causes fire.

## 5.3 Advice for firefighters

### 5.3.1 Firefighting instructions

Spray the packaging with water to avoid ignition or to keep them cool if exposed to excessive heat or fire.

Cool containers with water until the fire has extinguished.

Prevent water used for fire control or dilution from entering watercourses, drains or springs.

### 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

Use self-contained breathing apparatus. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations.

For large spills wear protective clothing against chemicals, which is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Eliminate all ignition sources (no smoking, do not use flares, sparks or flames in immediate area). Stop leak if you can do it without risk. All equipment used when handling the product must be grounded.

Do not touch or walk through spilled material. Foam can be used to reduce vapours. Do not allow reuse of spilled product.

### 6.2 Environmental precautions

Contain spilled liquid with a dam or barrier. Prevent entry into navigable waterways, sewers, basements or uncontrolled confined areas.

### 6.3 Methods and material for containment and cleaning up

Contain and recover the liquid when possible. Collect the liquid product with sand, vermiculite, earth or inert absorbent material and then completely clean the affected area. Dispose of the waste properly. 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 arms, hands, and nails after handling. Facilitate access to safety showers and eyewash emergency. Use equipment and clothing that prevents the accumulation of electrostatic charges. Monitor and avoid explosive atmosphere formation.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:	Store in a clean, dry, well-ventilated area. Protect from sunlight. Containers, even those that have been emptied, may contain vapors. Do not cut, drill, grind, weld or perform similar operations on or near empty containers.
Packaging materials:	Supplied by the manufacturer.
Incompatibilities:	Keep away from Oxidizing mineral acids, strong oxidizing agents.

### 7.3 Specific end use(s)

Adhesive.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

TLV-TWA (ACGIH):	400 ppm; Heptane 20 ppm; Toluene
TLV-STEL (ACGIH):	500 ppm; Heptane
PEL (OSHA):	500 ppm; Heptane 200 ppm; Toluene

PEL-STEL:	300 ppm; Toluene
REL:	85 ppm; Heptane 100 ppm; Toluene
REL-STEL:	150 ppm; Toluene
REL-C:	440 ppm; Heptane
IDLH (NIOSH):	750 ppm; Heptane 500 ppm; Toluene

## 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: When necessary, wear safety glasses (complying with EN 166).
- Skin protection: When necessary, wear impermeable protective PVC, nitrile or butyl gloves (complying with standards EN 374), clothes and safety footwear resistant to chemicals.
- Respiratory protection: When necessary, wear an organic gas or steam (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:	Viscous liquid.
Colour:	Amber.
Odour:	Solvent.
Odour threshold:	N/D
pH:	N/D
Melting point:	N/D
Boiling point:	> 35°C (95°F)
Evaporation rate:	N/D
Flammability:	The product is flammable.
Flash point:	< 23°C (73,4°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):	N/D
Solubility (20°C):	Insoluble in water.
Partition coefficient (logKo/w):	N/D
Viscosity (cSt, 40°C):	> 20,5 cSt - estimated
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: Ninguna.

## 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, open flames, sparks and other sources of ignition.

### 10.5. Incompatible materials

Keep away from Oxidizing mineral acids, 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 about the toxicity of the product, but acute

toxicity estimations are presented.  
 ATE-LD50 oral (calc.): > 5000 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.: At least one component of this product is classified as toxic for reproduction category 2 by the GHS with effects on sexual function and fertility.

Teratogenicity: At least one component of this product is classified as toxic for reproduction category 2 by the GHS with effects on the development of the offspring.

STOT-SE: May cause narcotic effects, with drowsiness, dizziness and vertigo.

STOT-RE: May cause damage to organs through prolonged or repeated exposure.

Aspiration: Some components of this product are toxic by aspiration, but the product has a viscosity greater than 20.5 cSt at 40 °C, therefore it is not classified as hazardous by aspiration.

### **Acute and chronic effects:**

Routes of exposure: Inhalation, skin and eye contact.

Inhalation: May cause dizziness, drowsiness, and central nervous system depression.

Skin Contact: May cause irritation and dermatitis on prolonged skin contact.

Eye contact: may cause eye irritation.

Ingestion: May cause nausea, vomiting, and stomach upset.

## **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 (fich, calc., 96 h): 1 - 10 mg/l

ATE-EC50 (inv., calc., 48 h): 1 - 10 mg/l

ATE-EC50 (algae, calc., 72 h): 1 - 10 mg/l

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

ATE-NOEC (inv., calc., 14 d): 0,1 - 1,0 mg/l

PNEC (water): N/D

PNEC (sea): N/D

PNEC-STP: N/D

### **12.2. Persistence and degradability**

BIODEGRADABILITY (calculated): According to calculations based on the composition, the product is expected to be biodegradable.

### **12.3. Bioaccumulative potential**

Log K<sub>ow</sub>: 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**

There is no test data to determine compliance with Annex XIII of the REACH regulation on its classification as persistent (P), but it may be classified as bioaccumulative (B) and toxic (T).

**12.6. Other adverse effects**

AOX and metal containing: Contains organic halogens, but does not contain heavy metals.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Dispose of excess product and empty containers according to current legislation for the protection of the environment and hazardous waste. Disposal procedure: incineration.

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

Proper Shipping Name:	ADHESIVES
UN/ID Number:	1133
Hazard class:	3
Packing group:	II
Hazard identification number:	33
Excepted and limited quantity:	333 / 5 L
Special provisions:	-


**14.2 Air transport (ICAO/IATA)**

Proper Shipping Name:	ADHESIVES
UN/ID Number:	1133
Hazard class:	3
Packing group:	II
PAX and Cargo Packing instructions:	Y341; 1L / 353; 5L
Cargo Packing instructions:	364; 60L
ERC:	3L
Special provisions:	-

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

Proper Shipping Name:	ADHESIVES
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UN/ID N°:	1133	
Hazard class:	3	
Packing group:	II	
EMS:	F-E, S-D	
Stowage and manipulation:	Category E	
Segregation:	–	
Marine pollutant:	NO	

Proper Shipping Name: UN1133; ADHESIVES; Class 3; PG II; Flash point < 23°C (73,4°F) c.c.

## SECTION 15 – REGULATORY INFORMATION

Not dangerous for the ozone layer.  
Volatile organic compounds (VOC's): N/D

### Regulation

Globally Harmonized System of Classification and Labelling of Chemicals, fifth revised edition, 2013 (GHS 2013 - '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 7 ('ST / SG / AC 10/30 / Rev.7') and clarification is made if required.

Agreement on Transport of Dangerous Products within the MERCOSUR, MERCOSUR\CMC\DEC N° 2/94. European Agreement on the International Carriage of Dangerous Goods by Road (ADR 2019) and amendments.

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID 2019) and amendments.

International Maritime Dangerous Goods Code (IMDG 2018 - Amendment 39-18), International Maritime Organization (IMO).

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

Regulations of the International Air Transport Association (IATA 60 ed., 2019) on 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.	
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. | 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 environment - 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 Agreement on the International Carriage of Dangerous Goods by Road (ADR 2019) and amendments.

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID 2019) and amendments.

International Maritime Dangerous Goods Code (IMDG 2018 - Amendment 39-18), International Maritime Organization (IMO).

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

Regulations of the International Air Transport Association (IATA 60 ed., 2019) on 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 compiled by CIQUIME.

SECTION 2: classification by analogy with other products, and based on product data in CIQUIME database.

SECTION 9: product data.

SECTION 11 and 12: calculation of acute toxicity estimation according to GHS, product data and bibliographic data.

Change's control: v.1 - Adaptation to the GHS.

## 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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