



## ADHESIVO HOT-MELT EN BARRA

SAFETY DATA SHEET

Revision date: January, 2021

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

#### 1.1 Product identifier

Product name: ADHESIVO HOT-MELT EN BARRA

#### 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

Skin sensitization (Category 1A)

#### 2.2 Label elements

**Pictogram:**



WARNING

**Signal word:**

**Hazard statements:**

H317 - May cause an allergic skin reaction.

**Precautionary statements:**

P261 - Avoid breathing dust and spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves.

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

P333 + P313 - IF SKIN IRRITATION OR RASH OCCURS: Get medical advice or attention.

P362 - Take off contaminated clothing.

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

Version: 1

Emission date: January, 2021

Replaces:

Created: CIQUIME

Revised:

TECNOLOGÍA ARGENTINA EN CINTAS S.A.  
(TACSA)

### 2.3 Other hazards

The components of the product are retained in the matrix, so no significant exposure to them is expected. The product is applied in the molten state by increasing the temperature, which can cause thermal burns in case of contact.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substance

Does not apply.

### 3.2 Mixtures

IDENTIFICATION NAME	CAS No.	Weight %	CLASSIFICATION
Acetic acid ethenyl ester, polymer with ethene	24937-78-8	30 - 70	Not classified
Paraffin oils	8012-95-1	10 - 30	Asp. Tox. 1; Aquatic Chronic 4
Terpene resin	9003-74-1	5 - 10	Not classified
Resin acids and Rosin acids	73138-82-6	5 - 15	Skin Sens. 1A

## 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. In case of burns from the hot product, cool the area by keeping it in running water for at least 5 minutes. Do not use ice. Avoid hypothermia. Do not remove clothing adhering to the skin.
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: not a probable route of entry. The article does not release appreciable amounts of chemical.

Skin contact: not a probable route of entry. The article does not release appreciable amounts of chemical.

Eye contact: not a probable route of entry. The article does not release appreciable amounts of chemical.

Ingestion: not a probable route of entry. The article does not release appreciable amounts of chemical.

#### 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 water jets. For class A fires, the use of carbon dioxide is not recommended because of its low heat removal.

### 5.2 Special hazards arising from the substance or mixture

The product and its packaging can burn but do not ignite easily.

### 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. Remove the packages if they have not yet been reached by the flames, and you can do so without risk. Cool containers with water until the fire is extinguished, removing the remains until the embers are cold. Contain fire water for later disposal. Do not disperse the material.

#### 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.

Handle with general precautions. Evacuate people to a safe area.

### 6.2 Environmental precautions

Contain the product and avoid its dispersion to the environment.  
Prevent the product from reaching water courses.

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

Collect the product properly and evaluate if it is necessary to dispose of it as waste. 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. Protect from sunlight. Keep containers/packages closed.
Packaging materials:	Supplied by the manufacturer.
Incompatibilities:	Keep away from oxidizing substances.

### 7.3 Specific end use(s)

Adhesive.

## 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: 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 appropriate 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:	Solid in bar.
Colour:	Transparent and colorless.
Odour:	Odourless.
Odour threshold:	N/A
pH:	N/A
Melting point:	N/D
Boiling point:	N/D
Evaporation rate:	N/D
Flammability:	The product is not flammable.
Flash point:	Not flammable.
Explosive limits:	N/D
Auto-ignition temperature:	N/D
Decomposition temperature:	N/D
Vapour pressure (20°C):	Negligible.
Vapour density (air=1):	> 1 - estimated
Relative density (20°C):	0,8 - 1,0 (Agua=1)
Solubility (20°C):	Insoluble 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.

### 10.5. Incompatible materials

Keep away from Oxidizing substances.

### 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:

The product does not present acute risks based on the low solubility of its components.

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.): not irritant

Serious eye damage / irritation:

Eye irr. (rabbit, estim.): not irritant

Respiratory or skin sensitization:

Skin sens (Guinea pig, estim.): severe eye damage

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.

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, therefore the aspiration hazard criteria of the GHS is not applicable.

**Acute and chronic effects:**

Routes of exposure: Inhalation, skin and eye contact.

Inhalation: not a probable route of entry. The article does not release appreciable amounts of chemical.

Skin contact: not a probable route of entry. The article does not release appreciable amounts of chemical.

Eye contact: not a probable route of entry. The article does not release appreciable amounts of chemical.

Ingestion: not a probable route of entry. The article does not release appreciable amounts of chemical.

**SECTION 12 – ECOLOGICAL INFORMATION****12.1. Toxicity**

The product does not present acute risks based on the low solubility of its components.

ATE-EC50 (fish, 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 (fish, 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): Due to the high molecular weight, the product can biodegrade slowly.

**12.3. Bioaccumulative potential**

Log  $K_{ow}$ : N/D

BIOCONCENTRATION FACTOR - BCF (OCDE 305): N/D. There are no data that indicate that the product 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 product does not meet the PBT criteria of Annex XIII of REACH. This product 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**

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:	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
Special provisions:	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.

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.	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
Compressed gas: compressed gas	Lac.: toxic for reproduction - lactation
Dissolved gas: dissolved gas	Muta.: mutagenicity
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 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).  
 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.

Version:	1	Emission date:	January, 2021
Created:	CIQUIME	Revised:	TECNOLOGÍA ARGENTINA EN CINTAS S.A. (TACSA)