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**1. IDENTIFICATION**

<b>Product name:</b>	<b>Resistol 911 Brocha 5g</b>	<b>IDH number:</b>	2445135
<b>Product type/</b>	Cyanoacrylate		
<b>Recommended use:</b>			
<b>Restriction of Use:</b>	None identified	<b>Region:</b>	Mexico
<b>Company address:</b>		<b>Contact information:</b>	
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**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**DANGER:** BONDS SKIN IN SECONDS.  
 H227 - COMBUSTIBLE LIQUID.  
 H315 - CAUSES SKIN IRRITATION.  
 H319 - CAUSES SERIOUS EYE IRRITATION.  
 H335 - MAY CAUSE RESPIRATORY IRRITATION.  
 H360 - MAY DAMAGE FERTILITY OR THE UNBORN CHILD.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	4
SKIN IRRITATION	2
EYE IRRITATION	2A
REPRODUCTIVE TOXICITY	1B
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

**PICTOGRAM(S)**



**Precautionary Statements**

**Prevention:**

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking.
- P261 - Avoid breathing mist/vapours.
- P264 - Wash affected area thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves, clothing, eye and face protection.

**Response:** P302+P352 - IF ON SKIN: Wash with plenty of water.  
P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - IF exposed or concerned: Get medical attention.  
P332+P313 - If skin irritation occurs: Get medical attention.  
P337+P313 - If eye irritation persists: Get medical attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P370+P378 - In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.  
**Storage:** P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
**Disposal:** P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

**Other hazards** Not available.

Classification complies with NOM-018-STPS-2015 and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	UN no.:	Percentage*
Ethyl 2-cyanoacrylate	7085-85-0		80 - 100
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane	119-47-1		0.1 - 1

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

#### First Aid Measures by likely routes of exposure

**Inhalation:** Move to fresh air, consult doctor if complaint persists.

**Skin contact:** Do not pull bonded skin apart. It may be gently peeled apart using a blunt object such as a spoon, preferably after soaking in warm soapy water. If lips are accidentally stuck together apply warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action. Cyanoacrylates give off heat on solidification. In rare cases a large drop will generate enough heat to cause a burn. Burns should be treated normally after the adhesive has been removed from the skin.

**Eye contact:** If the eye is bonded closed, release eyelashes with warm water by covering with wet pad. Keep eye covered until debonding is complete, usually within 1-3 days. Cyanoacrylate will bond to eye protein and will cause periods of weeping which will help to debond the adhesive. Do not force eye open. Medical advice should be sought in case solid particles of cyanoacrylate trapped behind the eyelid cause any abrasive damage.

<b>Ingestion:</b>	Ensure that breathing passages are not obstructed. The product will polymerise immediately in the mouth making it almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (several hours).
<b>Most important symptoms and effects (acute and delayed):</b>	The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.
<b>Indication of any immediate medical attention / special treatment needed:</b>	Not available.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Foam, extinguishing powder, carbon dioxide. Fine water spray
<b>Improper extinguishing agents:</b>	High pressure waterjet
<b>Special firefighting procedures:</b>	Wear full protective clothing. Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).
<b>Unusual fire or explosion hazards:</b>	In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ) can be released.
<b>Hazardous combustion products:</b>	Thermal decomposition can lead to release of irritating gases and vapors. carbon monoxide Carbon dioxide. Oxides of nitrogen.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Do not empty into drains / surface water / ground water.
<b>Clean-up methods:</b>	Remove with liquid-absorbing material (sand, peat, sawdust). Dispose of contaminated material as waste according to Section 13.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Open and handle container with care. Ensure that workrooms are adequately ventilated. Avoid skin and eye contact.
<b>Storage:</b>	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use. Ensure adequate ventilation, especially in confined areas.

**For information on product shelf life, please review labels on container or check the Technical Data Sheet.**

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Ethyl 2-cyanoacrylate	1 ppm STEL 0.2 ppm TWA (Dermal sensitization) (Respiratory sensitization)	None	None	None

<b>Engineering controls:</b>	Ensure good ventilation/extraction.
<b>Respiratory protection:</b>	Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Eye/face protection:</b>	Wear safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.
<b>Skin protection:</b>	Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Use nitrile gloves and aprons as necessary to prevent contact. Do not use PVC, nylon or cotton. The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	liquidLiquid
<b>Color:</b>	Colourless / ColorlessColourless / Colorless
<b>Odor:</b>	IrritatingIrritating
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable, Product reacts with water.
<b>Vapor pressure:</b>	< 0.6 mbar (20 °C (68°F))
<b>Boiling point/range:</b>	> 100 °C (> 212°F)None
<b>Melting point/ range:</b>	Not applicable, Product is a liquid
<b>Density/Relative density:</b>	Not available.
<b>Relative vapor density:</b>	Approximate 3 20 °C
<b>Flash point:</b>	80.0 - 93 °C (176°F - 199.4 °F)
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Autoignition temperature:</b>	485 °C (905°F)
<b>Flammability:</b>	The product is not flammable.
<b>Evaporation rate:</b>	Not available.
<b>Solubility:</b>	Polymerizes on contact with water. Water
<b>Partition coefficient n-octanol/water (logarithmic value):</b>	Not available.
<b>VOC content:</b>	Not available.
<b>Dynamic viscosity:</b>	60.00 - 80.00 mPa.s
<b>Kinematic viscosity:</b>	45 - 275 mm <sup>2</sup> /s
<b>Particle characteristics:</b>	Not applicable, Product is a liquid
<b>Decomposition temperature:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Not available.
<b>Reactivity:</b>	Not available.
<b>Hazardous reactions:</b>	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
<b>Hazardous decomposition products:</b>	None known.
<b>Incompatible materials:</b>	Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
<b>Conditions to avoid:</b>	None if used for intended purpose.

## 11. TOXICOLOGICAL INFORMATION

**Likely routes of exposure** Skin, Inhalation, Eyes, Ingestion

**Potential Health Effects/Symptoms**

<b>Inhalation:</b>	Exposure to vapors above the established exposure limit results in respiratory irritation, which may lead to difficulty in breathing and tightness in the chest. May cause respiratory tract irritation.
<b>Skin contact:</b>	Bonds skin in seconds. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare. Cyanoacrylates generate heat on solidification. In rare circumstances a large drop will burn the skin. Cured adhesive does not present a health hazard even if bonded to the skin. Causes skin irritation.
<b>Eye contact:</b>	Irritating to eyes. Causes excessive tearing. Eyelids may bond. Causes serious eye irritation.
<b>Ingestion:</b>	Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow. Not expected under normal conditions of use. May cause gastrointestinal tract irritation if swallowed.

Hazardous Component(s)	LD50s and LC50s
Ethyl 2-cyanoacrylate	None
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane	Oral LD50 (Mouse) = 11,000 mg/kg Oral LD50 (Mouse) = 11,000 mg/kg

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
Ethyl 2-cyanoacrylate	Irritant	Allergen	Respiratory
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane	Irritant		

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethyl 2-cyanoacrylate	No	No	No
Bis(2-hydroxy-3-tert-butyl-5-methylphenyl)methane	No	No	No

## 12. ECOLOGICAL INFORMATION

<b>Ecological information:</b>	Do not empty into drains, soil or bodies of water.
<b>Ecotoxicity:</b>	Not available.
<b>Persistence and degradability:</b>	Not available.

**Bioaccumulative potential:** Not available.  
**Mobility:** Not available.  
**Other ecological information:** Not available.

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of waste and residues in accordance with local authority requirements.

### 14. TRANSPORT INFORMATION

**Road transport ADR:**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Aviation regulated liquid, n.o.s. (Ethyl cyanoacrylate)  
**Hazard class or division:** 9  
**Identification number:** UN 3334  
**Packing group:** III  
**Exceptions:** Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.  
**Exceptions:** (Not more than 500ml) Unrestricted

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** Not regulated  
**Hazard class or division:** None  
**Identification number:** None  
**Packing group:** None

### 15. REGULATORY INFORMATION

No additional information

### 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: 2, 3, 11

**Prepared by:** Product Safety and Regulatory Affairs  
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**DISCLAIMER: This information is considered correct, but it's not exhaustive and will be used only as a guide, which is based on current knowledge of the chemical substance(s) and/or mixture and apply to the appropriate product for safety precautions.**

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