

## MATERIAL DATA SAFETY SHEET

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards

**SECTION I – PRODUCT IDENTIFICATION**

REVISION DATE: 5/1/2017

Product Name: INSTASET PHASE I  
 Chemical Name: N/A  
 Synonyms: ADHESIVE LIQUID  
 Trade Name: INSTASET PHASE I  
 Product use: Fingernails coating only  
 Distributor's Name: CHRISTRIO  
 Distributor's Address: 2420 Railroad; Corona, CA. 92881  
 Information Contact: 1 951 808 4730  
 Emergency Phone: Canada & US (800) 535-5053 International: 1-352-323-3500  
 EU Address: 167-171 Willoughby Lane; Tottenham, London N17 OSB; UK

**SECTION II – HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

Physical state: Liquid	HEALTH: 2
Color: Colorless, Transparent	FLAMMABILITY: 2
Odor: Sharp, Irritating	PHYSICAL HAZARD: 1
Personal Protection: See MSDS Section 8	

**WARNING: BONDS SKIN IN SECONDS. MAY CAUSE EYE AND RESPIRATORY TRACT IRRITATION. COMBUSTIBLE LIQUID AND VAPOR**

**Potential Health Effects, Signs, and Symptoms of Exposure:**

Primary Route of Entry	No specific information available for this product. Although, this product is opposes only slightly irritation concern with all routes of entry.
Eye	Irritating to eyes. Causes excessive tearing. Eyelids may bond.
Skin	Bonds skin in seconds. May cause skin irritation. 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.
Ingestion	Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to swallow.
Inhalation	Exposure to vapors above the established exposure limit results in respiratory irritation, which may lead to difficulty in breathing and tightness in the chest.
Sub-Chronic Effects	No specific information available. Limited tests showed no evidence of teratogenicity in animals. A lifetime skin painting study with mice showed no evidence of carcinogenicity.
Existing conditions aggravated By exposure:	Eye, skin, and respiratory disorders.

NOTE: This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication)

**See Section 11 for additional toxicological information.**

**SECTION III – COMPOSITION/INFORMSTION**

Chemical Identity	CAS#	EINEC#	INCI Name	Exposure OSHA TWA/STEL	LIMITS ACGIH TWA/STEL	Carcinogen	%
Ethyl 2-cyanoacrylate	230-391-5	230-391-5	Ethyl 2-cyanoacrylate	N/E	N/E	NOT LISTED	<65

**See Section XVI for Risk and Safety Phrase**

N/E – None Established      N/DA – No Data Available      N/R – Not Review      N/A – Not Applicable  
 Risk Phrases: R36/37/38      Safety Phrases: S14, S3/7, S62

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### SECTION IV - FIRST AID MEASURES

Eye	Immediately flush with plenty of water for at least 15 minutes. Get medical attention. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad. Do not force eye open. Cyanoacrylate will bond to eye protein and will cause a lachrymatory effect which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped behind the eyelid caused abrasive damage.
Skin	Do not pull bonded skin apart. Soak in warm soapy water. Gently peel apart using a blunt instrument. If skin is burned due to the rapid generation of heat by a large drop, seek medical attention. If lips are bonded, apply warm water to the lips and encourage wetting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips apart with direct opposing force
Inhalation	Move to fresh air. If symptoms persist, seek medical advice.
Ingestion	Ensure breathing passages are not obstructed. The product will polymerize rapidly and bond to the mouth making it almost impossible to swallow. Saliva will separate any solidified product in several hours. Prevent the patient from swallowing any separated mass.

\* Surgery is not necessary to separate accidentally bonded tissues. Experience has shown that bonded tissues are best treated by passive, non-surgical first aid. If rapid curing has caused thermal burns they should be treated symptomatically after adhesive is removed.

### SECTION V - FIRE FIGHTING MEASURES

Flash Point (°F/°C)	Flammable Limit (vol %)	Auto-Ignition Temperature (vol %)
80 - 93.4 °C (176°F - 200.12 °F)	N/D	485 °C (905°F)

**Flammable/Explosive limits** - lower: Not determined

**Flammable/Explosive limits** - upper: Not determined

**Extinguishing media:** Dry powder. Foam Carbon dioxide.

**Special firefighting procedures:** Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

**Unusual fire or explosion hazards:** Not available

**Hazardous combustion products:** Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.

### SECTION VI - ACCIDENTAL RELEASE MEASURES

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

**Environmental precautions:** Do not allow product to enter sewer or waterways.

**Clean-up methods:** Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non-hazardous waste.

### SECTION VII - HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. Avoid contact with fabric or paper goods. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors, and cause thermal burns.
<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.
<b>Explosion Hazard</b>	Not available

**Hazardous combustion products:** Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.

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

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### SECTION VIII - 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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Ethyl 2-cyanoacrylate	0.2 ppm TWA	None	None	None

- Engineering controls:** Use positive down-draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
- Respiratory protection:** Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
- Eye/face protection:** Safety goggles or safety glasses with side shields. Skin protection: Use nitrile gloves and aprons as necessary to prevent contact. Do not use PVC, nylon or cotton.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Odor & Odor Theshold	pH	Specific Gravity	Viscosity	% Volatile
Colorless, Transparent	Sharp, Irritating 1 - 2 ppm	N/A	(H2O=1) : 1.12	N/DA	N/A

Boiling Point/Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient	Vapor Pressure	Vapor Density	Evaporation Rate	Ignition	Solution In Water
N/A	N/A	N/A	N/A	Approximate 3	N/D	N/D	Polymerises in presence of water

Flash point (°F/°C)	Flammable Limit (Vol %)	Auto-ignition Temperature (Vol %)
80 - 93.4 °C (176°)	N/D	485 °C (905°F)

### SECTION X - STABILITY AND REACTIVITY

<b>Stability:</b> Stable under normal ambient condition when stored properly.	<b>Incompatibility (Materials to Avoid):</b> Water, Amines, Alkalis, Alcohols.
<b>Hazardous Decomposition Products:</b> None	<b>Hazardous Polymerization:</b> Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.

**Conditions to Avoid:** Spontaneous polymerization

### SECTION XI - TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - Skin	Irritation -Eye
LD50 (rat) > 5,000 mg/kg (Estimated)	LD50 (rabbit) > 2,000 mg/kg (Estimated)	N/DA	N/DA	N/DA

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethyl 2-cyanoacrylate	None	None	None

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### SECTION XII - Ecological Information

#### Ecotoxicological Information

Acute Toxicity To Fish	Acute Toxicity To Invertebrates	Acute Toxicity To Algae	Bioconcentration	Toxicity to Sewage Bacterials
N/DA	N/DA	N/DA	N/DA	N/DA

#### Chemical Fate Information

<b>Biodegradability</b>	N/DA
<b>Chemical Oxygen Demand</b>	N/DA

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been investigated. DO NOT allow to entering drinking water supplies, wastewater, or soil.

### SECTION XIII- DISPOSAL CONSIDERATIONS

Non-contaminated, properly inhibited product is not a RCRA hazardous waste. It is the generators responsibility to determine what is classified as a hazardous waste. Comply with all Federal, State, and local regulations. Disposal of diking materials and absorbent in compliance with State, Local, and Federal regulations. When large amount of product use. Residue vapors may explode on ignition; DO NOT cut, drill, or well on or near the container. Mix with compatible chemical which is less flammable and incinerate.

### SECTION XIV - TRANSPORT INFORMATION

<b>DOT (49 CFR 172) (GND)</b>	
Proper Shipping Name	Combustible liquid, n.o.s. (Cyanoacrylate ester)
Identification	NA 1993
Marine Pollutant	No
Special Provisions	(Not more than 450 Liters), Unrestricted
<b>Emergency Response Guidebook (ERG) #</b>	N/A
<b>IATA (DGR) (AIR)</b>	
Proper Shipping Name	Aviation regulated liquid, n.o.s. (Cyanoacrylate ester)
Class or Division	9
UN or ID Number	UN 3334
Packing Instructions	(Not more than 500ml) Unrestricted
<b>Emergency Response Guidance(ICAO)#</b>	N/A
<b>IMO (IMDG)</b>	
Proper Shipping Name	Not regulated
Class or Division	None
UN or ID Number	None
Special Provision & Stowage/Segregation	None
<b>Emergency Schedule (EmS)#</b>	N/A
<b>Other Information</b>	N/A

### SECTION XV - REGULATORY INFORMATION

#### US Federal Regulations

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12(b) Export Notification:	None above reporting de minimus
FDA: Food Packing Status	This product has not been cleared by the FDA for use in food packaging and/or other application as an indirect food additive.
Occupational Safety and Health Act	Immediate Health, Delayed Health, Fire, Reactive
RCRA	This product is not considered to be a hazardous waste under RCRA (40 CFR 261).
SARA Title III: Section 302 (TPQ)	Hydroquinone (CAS# 123-31-9). Boron trifluoride (CAS# 7637-07-2).

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**SECTION XV – REGULATORY INFORMATION (Continued)**

SARA Title III: Section 311-312	Immediate Health, Delayed Health, Fire, Reactive
SARA Title III: Section 313	None above reporting de minimus
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
TSCA Significant New Use Rule	None of the chemicals listed have a SNUR under TSCA.

**State Regulation**

California Proposition 65:	None
MA Right-to-Know Law	This product contains no chemicals on the MA Substance List.
NJ Right-to-Know	This product contains the following hazardous component subject to disclosure under NJ Right-to-Know legislation: NONE
PA Right-to-Know Law	This product contains the following hazardous component subject to disclosure under NJ Right-to-Know legislation: NONE
FL Right-to-Know Law	This product contains the following hazardous component subject to disclosure under NJ Right-to-Know legislation: NONE

**International Regulations**

CDSL: Canadian Inventory (on Canadian Transitional List)	Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.
WHMIS hazard class	B.3, D.2.B

**SECTION XVI – OTHER INFORMATION**

**EU Class and Risk/Safety Phrases for Referenced Ingredients (See Section 2):**

<b>Risk Phrases:</b>	R36/38 – Irritating to eyes, respiration system and skin.
<b>Safety Phrases:</b>	S2-Keep out of reach of children; S3/7-Keep container tightly closed in a cool place; S7-Keep container tightly closed; S24/25-Avoid contact with skin and eyes; S26-In case of contact with eyes, rinse immediately with plenty lukewarm water and seek medical advise; S36/37-Wear suitable protective clothing and gloves; S62 If swallowed, DO NOT induce vomiting; seek medical advice immediately and show this container or label.

Prepared By:	CHRISTRIO
Update Composition	March 1 <sup>st</sup> ,2018

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### **SECTION XVI - OTHER INFORMATION (continued)**

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