



Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario, L9T 3Y5
Canada
905-878-4990

PRODUCT: 16402 INSTA WELD ADHESIVE

SECTION 01: IDENTIFICATION

Initial supplier identifier..... Pro Form Products Ltd.
604 McGeachie Drive
Milton, Ontario L9T3Y5
Tel (905) 878-4990 Fax (905) 878-1189

Product identifier..... 16402 INSTA WELD ADHESIVE

Recommended use and restrictions on .. Adhesive applications.
use

Chemical family..... Mixture.

NFPA rating..... Health: 2 fire: 2 reactivity: 1.

HMIS..... H: 2 F: 2 R: 1.

24 hour emergency number..... For transportation emergencies (in Canada) call CANUTEC 1-888-226-8832 (CAN-UTEC);
IN THE UNITED STATES CALL CHEMTREC 1-800-424-9300.
** For medical emergencies contact your local poison control centre **.

SECTION 02: HAZARD IDENTIFICATION



Signal Word..... WARNING.

Hazard Classification..... Flammable Liquid 4. Skin Irritation — Category 2. Eye Irritation — Category 2A. Specific Target Organ Toxicity — Single Exposure — Category 3. (respiratory system).

Hazard Description..... H227 Combustible liquid. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.

Prevention..... P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P261 Avoid breathing mists, vapours and sprays. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P280 Wear protective gloves and eye protection.

Response P305 + P351 + P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing until medical help arrives. P337 + P313 - If eye irritation persists get medical attention. P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P302 + P352 - If on skin: wash with plenty of water. P321 - For specific treatment see section 4 on this SDS. P332 + P313 - If skin irritation occurs get medical attention or advice. P362 + P364 - Take off contaminated clothing and wash before reuse. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell.

Storage..... P403 Store in a well ventilated area. P403 + P233 Store in a well ventilated area. Keep container tightly closed. P405 Store locked up.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
2-Propenoic acid, 2-cyano-, ethyl ester	7085-85-0	50-100

SECTION 04: FIRST-AID MEASURES

Eye contact..... In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Obtain medical attention. Cyanoacrylate will bond to the eye protein and causes a lachrymatory effect which will help de-bond the adhesive. Keep eyes covered until de-bonding is completed (usually 1-4 days). .

PRODUCT: 16402 INSTA WELD ADHESIVE**SECTION 04: FIRST-AID MEASURES**

Skin contact.....	Bonds rapidly and strongly. May cause burns. Immerse bonded surface in warm soapy water. Peel or roll surface apart with the aid of a blunt edge. Do not pull apart with direct opposing action. If skin is burned by a large drop seek medical help. If the lips are accidentally bonded apply warm soapy water, encourage maximum wetting and pressure from saliva inside the mouth and peel or roll lips apart. Do not try to pull lips apart. Burns should be treated symptomatically after the cyanoacrylate is released from the skin. .
Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
Ingestion.....	Do not induce vomiting. If ingestion is suspected, contact physician or poison control center immediately. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, whether acute or delayed	May cause breathing difficulty.
Additional information.....	Treat victims symptomatically. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.

SECTION 05: FIRE-FIGHTING MEASURES

Suitable and unsuitable extinguishing media	"Alcohol" foam, CO2, dry chemical. In cases of larger fires, water spray should be used. Do not use water in a jet.
Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion products	Oxides of carbon (CO, CO2). Nitrogen compounds.
Special protective equipment and precautions for fire-fighters	Polymerized by water, avoid use. Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Keep run-off water from entering sewers and other waterways. Dike for water control.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak/spill.....	Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. Evacuate all non-essential personnel. Prevent runoff into drains, sewers, and other waterways. Allow to solidify. Take up mechanically, fill into labelled, closable containers. Do not use cotton or natural fiber cloths for clean up.
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SECTION 07: HANDLING AND STORAGE

Precautions for safe handling.....	Keep away from heat, sparks, and open flame. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Ground handling equipment. Avoid breathing vapours or mist. Handle and open container with care. Employees should wash hands and face before eating or drinking.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from strong oxidizers. Store away from sunlight.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
2-Propenoic acid, 2-cyano-, ethyl ester	1 mg/m ³ , 0.2 ppm (TLV)	Not established	Not established	Not established	Not established	Not established
Personal Protective Equipment	Local exhaust ventilation is recommended. Wear an appropriate, properly fitted respirator when contaminant levels exceed the recommended exposure limits.					
Respiratory/type.....	Liquid chemical goggles.					
Eye/type.....	Chemical resistant gloves. Do not use: Cotton or natural fibre gloves. PVC.					
Gloves/ type.....	Wear adequate protective clothes.					
Clothing/type.....	Safety boots per local regulations.					
Footwear/type.....	Local exhaust at points of emission.					
Appropriate engineering controls.....	Emergency showers and eye wash stations should be available. During processing, ensure efficient exhaust ventilation in the working area. Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of work. Keep working clothes separate.					
Other/type.....	Change contaminated or soaked clothing.					

PRODUCT: 16402 INSTA WELD ADHESIVE**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Physical state.....	Liquid.
Colour.....	Colourless.
Odour.....	Characteristic odour.
Odour threshold (ppm).....	No data.
Vapour pressure (mm Hg).....	0.27 hPa. @ 20°C.
Vapour density (air=1).....	No data.
pH.....	Not applicable.
Relative Density (Specific Gravity).....	8.762 lbs/USG; 1.05.
Melting / Freezing point (deg C).....	Not available.
Initial boiling point / boiling range (deg C).....	>150.
Solubility.....	Polymerizes. Not miscible.
Evaporation rate.....	Not available.
Flash point (deg C), method.....	87° C.
Auto ignition temperature (deg C).....	Not available.
Upper flammable limit (% vol).....	Not available.
Lower flammable limit (% vol).....	Not available.
Partition coefficient — n-octanol/water.....	Not available.
% Volatile by volume.....	0.0.
VOC (less water).....	0 lb/usg - 0 g/mL.

SECTION 10: STABILITY AND REACTIVITY

Chemical stability.....	Stable at normal temperatures and pressures.
Reactivity	Reacts with alcohols, amines, aqueous acids and alkalis. Reacts slowly with water, forming carbon dioxide.
Conditions to avoid, including static discharge, shock or vibration	Keep away from heat. Incompatible with strong oxidizers. Amines. Alcohols. Alkali and reducing materials. Water.
Hazardous decomposition products.....	By fire: Oxides of carbon (CO,CO2). Nitrogen compounds. Dense black smoke.
Possibility of hazardous reactions.....	Rapid polymerization will occur in the presence of water, amines, alkalis, and alcohol. Avoid skin contact.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
2-Propenoic acid, 2-cyano-, ethyl ester	21.11 mg/L (1 hr/14days) rat	5000 mg/kg rat oral 2000 mg/kg rabbit dermal
Route of exposure.....	Eye contact. Skin contact. Inhalation.	
Effects of chronic exposure.....	Prolonged or repeated exposure may result in an allergic respiratory reaction in sensitive individuals.	
Skin contact.....	Can cause moderate irritation, defatting and dermatitis. Immediate bonding of skin and eyes.	
Eye contact.....	Causes eye irritation. Contact with vapours can cause excessive tearing. Eyelids may bond closed.	
Inhalation (acute).....	Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, vomiting and unconsciousness. Asthmatic symptoms.	
Inhalation (chronic).....	Prolonged and repeated exposure to vapors may produce allergic reactions with asthma-like symptoms in sensitive individuals.	
Ingestion.....	Will polymerize rapidly adhering to the mouth.	
Carcinogenicity of material.....	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC or ACGIH.	
Reproductive effects.....	None known.	

SECTION 12: ECOLOGICAL INFORMATION

Environmental.....	Do not allow to enter waters, waste water or soil.
Persistence and degradability.....	Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Information on safe handling for disposal and methods of disposal, including any contaminated packaging	Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations. Avoid release into the environment.
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PRODUCT: 16402 INSTA WELD ADHESIVE**SECTION 14: TRANSPORT INFORMATION**

TDG Classification..... Not regulated.
DOT Classification (Road)..... Not regulated.
IATA Classification (Air)..... Not regulated.
IMDG Classification (Marine)..... Not regulated.
Marine Pollutant..... No.
Proof of Classification..... In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. .

SECTION 15: REGULATORY INFORMATION

CEPA status..... Not determined.
TSCA inventory status..... All components are listed.
OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.
SARA Title III
Section 302 - extremely hazardous Chloroacetic acid.
substances
Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard. Reactive.
Section 313..... Chloroacetic acid.
EPA hazardous air pollutants (HAPS) Hydroquinone.
40CFR63
California Proposition 65..... This product does not contain any chemical(s) known to the State of California to cause cancer or reproductive toxicity.

SECTION 16: OTHER INFORMATION

Prepared by: REGULATORY AFFAIRS. Trivalent Data Systems Ltd. www.trivalent.com.
Telephone number:..... (800) 387-7981.
Disclaimer:..... DISCLAIMER: All information appearing herein is based upon data obtained from experience and recognized technical sources. To the best of our knowledge, it is believed to be correct as of the date of issue but we make no representations as to its accuracy or sufficiency and do not suggest or guarantee that any hazards listed herein are the only ones which exist. The hazard information contained herein is offered solely for the consideration of the user, subject to his own investigation and verification of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. The information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.
Review Date:..... 2022-11-30.
Date of the latest revision of the safety .. 2017-11-27
data sheet