

SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date Issued : 09/20/2016

SDS No : XPSA-1 Plastic Adhesive Weld Kit - XPAB1_EN

Date Revised : 07/15/2020

Revision No : 2

XPSA-1 PLASTIC ADHESIVE WELD KIT - component XPAB1

1. IDENTIFICATION

Product Name: XPSA-1 PLASTIC ADHESIVE WELD KIT - component XPAB1

Product Description: Cyanoacrylate adhesive, 19 ml / 0.64 fl oz US

General Use: Cyanoacrylate adhesive

Product Stock/Code: XPSA-1 / 4026 Kit (XPAB1 / 4026)

Chemical Family: Cyanoacrylate Ester

Molecular Formula: Mixture

Manufacturer / Supplier

Dominion Sure Seal Ltd.
6175 Danville Road, Mississauga
Ontario, Canada L5T 2H7
Fax: 905-670-5174

www.dominionsureseal.com

Customer Service: 905-670-5411

Emergency Telephone Numbers (24 hour)

CANUTEC : (613) 996-6666

CHEMTREC : (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

The classification and label elements stated below were prepared in accordance with the USA OSHA Hazard Communication Standard (29 CFR 1910.1200; Hazcom 2012) and the Canadian WHMIS regulations (Hazardous Products Regulations; WHMIS 2015). This information may be different from the actual product label information for labels that are regulated by other agencies.

Health hazards:

Eye Irritation, Category 2

Skin Irritation, Category 2

Specific Target Organ Toxicity (Single exposure), Category 3 (Respiratory Tract Irritation)

Skin Sensitization, Category 1A

Carcinogenicity, Category 2

Physical hazards:

Flammable Liquids, Category 4

Label elements

Hazardous components for labelling:

ethyl 2-cyanoacrylate, isopropyl 2-cyanoacrylate and hydroquinone



Health
hazard



Exclamation
mark

Signal Word: WARNING

XPSA-1 PLASTIC ADHESIVE WELD KIT - component XPAB1

Hazard statement(s)

- H227: Combustible liquid.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H351: Suspected of causing cancer.

Precautionary statement(s)

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, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261: Avoid breathing vapours.
- P271: Use only outdoors or in a well-ventilated area.
- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves, protective clothing and eye protection.
- P272: Contaminated work clothing should not be allowed out of the workplace.

Response:

- P308+P313: IF exposed or concerned: Get medical advice/ attention.
- P302+P352: IF ON SKIN: Wash with plenty of water.
- P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
- P362+P364: Take off contaminated clothing and wash it before reuse.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P370+P378: In case of fire: Use dry chemical or foam to extinguish.

Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.
- P235: Keep cool.

Disposal:

- P501: Dispose of contents/container in accordance with applicable local, regional and/or national regulations.

Hazards Not Otherwise Classified: No data available.

Emergency Overview

Immediate concerns: Cyanoacrylate. Bonds skin and eyelids instantly. Suspected of causing cancer. May cause sensitization by skin contact. May irritate the eyes, skin and respiratory system.

Comments: See sections 9 and 10 for more detailed information on physicochemical effects.

See section 11 for more detailed information on health effects.

See sections 12 for more detailed information on environmental effects.

The actual container label may not include the above label elements. The labeling shown above applies to products used solely for industrial / professional use.

Consumer products should be labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations and US Consumer Product Safety Commission regulations. Consumer product labeling takes precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS number
---------------	------	------------

XPSA-1 PLASTIC ADHESIVE WELD KIT - component XPAB1

ethyl 2-cyanoacrylate	80 - 90	7085-85-0
isopropyl 2-cyanoacrylate	5 - 10	10586-17-1
hydroquinone	0.1 - 0.5	123-31-9

Comments: There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the product and hence require reporting in this section.

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Get medical attention, if irritation persists. If eyelids are bonded, wash thoroughly with warm water then cover the eye with a wet pad. Do not force the eye open. It may be necessary to apply a gauze patch. The eye will open without further action, typically in one to two days. Seek immediate medical attention.

Skin Contact: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse. If skin is bonded, soak it in warm soapy water. Do not pull it apart. The adhesive will come loose from the skin in several hours. Dried adhesive does not present a health hazard even when bonded to the skin. Seek medical attention.

Ingestion: It is almost impossible to swallow cyanoacrylate. The adhesive solidifies and adheres in the mouth. If lips are accidentally stuck together apply lots of warm water and encourage maximum wetting and pressure from saliva inside the mouth. Do not try to pull lids apart with direct opposing action. Saliva will lift the adhesive in one to two days.

Inhalation: If affected by inhalation of vapour, move to fresh air. Get medical attention if symptoms persist.

Signs and Symptoms of Overexposure

Eye Contact: Moderately irritating to eyes. Symptoms may include tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Skin Contact: Contact causes skin irritation. Cured material is difficult to remove. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash.

Ingestion: May cause irritation.

Inhalation: May be irritating to the eyes, nose, throat, and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

Additional Information: No data available.

5. FIRE FIGHTING MEASURES

Flammable Properties: Combustible liquid. Will burn if involved in a fire.

Extinguishing Media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide. Nitrous gases, fumes/smoke, isocyanate, vapour.

Fire Fighting Procedures: Containers can build up pressure if exposed to heat (fire).

Fire Fighting Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Sensitivity to Static Discharge: Product is not sensitive to static discharge.

Sensitivity to Mechanical Impact: Product is not sensitive to mechanical impact.

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Ensure adequate ventilation. Cover spill area with suitable absorbent material (e.g., sand, earth, sawdust, vermiculite, Oil-Dri, Kitty Litter, etc.). Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly. Avoid contact with eyes, skin, and clothing.

Environmental Precautions

XPSA-1 PLASTIC ADHESIVE WELD KIT - component XPAB1

Water Spill: Do not flush to sewer.

Land Spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Special Protective Equipment: Clean up spills immediately, observing precautions in Protective Equipment section 8.

7. HANDLING AND STORAGE

General Procedures: Handle in accordance with good industrial hygiene and safety practices.

Handling: Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wear recommended personal protective equipment. After handling, always wash hands thoroughly with soap and water.

Storage: Keep away from heat, sparks and open flame. Protect from physical damage. Keep containers tightly closed, when not in use. Store in a cool, well-ventilated place. Protect against moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

OSHA / WHMIS 2015 HAZARDOUS COMPONENTS				
Chemical Name	Occupational Exposure Limits			mg/m ³
	Type		ppm	
ethyl 2-cyanoacrylate	ACGIH TLV	TWA	0.2	1.0
isopropyl 2-cyanoacrylate	USA OEL	-	-- [1]	-- [1]
hydroquinone	OSHA PEL	TWA	--	2
	ACGIH TLV	TWA	--	1

Footnotes:

1. This material does not have established exposure limits in the USA under OSHA, NIOSH, ACGIH.

Engineering Controls: Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Personal Protective Equipment

Eyes and Face: Wear safety glasses with side shields (or goggles). Contact lenses should not be worn when working with this product. Eye wash fountains should be readily available to areas of use and handling.

Skin Contact: Wear chemical resistant gloves.

Respiratory: Generally not required. Wear respiratory protection if ventilation is inadequate.

Protective Clothing: Wear protective clothing as necessary to prevent contact.

Work Hygienic Practices: Handle in accordance with good industrial hygiene and safety practices. Wash hands thoroughly after handling. Promptly remove soiled clothing/wash thoroughly before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Odor	: Sharp, Irritating
Odor Threshold	: No data available.
Appearance	: Clear liquid
Color	: Water-white to light straw
pH	: No data available.

XPSA-1 PLASTIC ADHESIVE WELD KIT - component XPAB1

% Volatiles	: < 2.0% w/w
Flash Point and Method	: 83 °C Closed Cup
Flammable Limits	: No data available.
Autoignition Temperature	: No data available.
Vapor Pressure	: 1 mm Hg at 20°C
Vapor Density	: No data available.
Boiling Point	: 84°C to 86°C @ 3 mm Hg
Melting Point	: Not Applicable
Solubility in Water	: Practically insoluble
Evaporation Rate (n-butyl acetate = 1)	: < 1
Density	: 1.04±0.02 g/ml at 20°C
Viscosity	: 30 to 50 cps at 20°C
VOC Content	: < 20 g/l (1.0 lb/gal); < 2% w/w (SCAQMD Method 316B)
Oxidizing Properties	: None

10. STABILITY AND REACTIVITY

Reactive Hazard : No

Hazardous Polymerization: Polymerized by contact with water, alcohols, amines and alkalis.

Stability: Stable under normal conditions of use and storage. Stable in the absence of water / moisture.

Conditions to Avoid: Avoid excessive heat above 80°C (176°F), moisture and alkalis. Stable up to 50°C (122°F).
Store in a cool, dry place.

Hazardous Decomposition Products: By fire and high heat: Carbon monoxide, Carbon dioxide, Oxides of nitrogen and other undetermined compounds.

Incompatible Materials: Water, alcohols, amines and alkalis.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Chemical Name	Oral LD₅₀ mg/kg(rat)	Dermal LD₅₀ mg/kg (rabbit)	Inhalation LC₅₀ mg/l
ethyl 2-cyanoacrylate	5000	2000	21.11(rat;1h)
isopropyl 2-cyanoacrylate	No data available.	No data available.	No data available.
hydroquinone	285, 302, 320, 345, 367(rat) 245, 350 (mouse) 540(rbt)	>900(rat) >2000(rbt)	No data available.

Acute Toxicity - Dermal LD₅₀: Based on available ingredient data, the classification criteria for Acute Dermal Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute Toxicity - Oral LD₅₀: Based on available ingredient data, the classification criteria for Acute Oral Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute Toxicity - Inhalation LC₅₀: Based on available ingredient data, the classification criteria for Acute Toxicity

XPSA-1 PLASTIC ADHESIVE WELD KIT - component XPAB1

- inhalation are not met for this mixture. The calculated ATE is >20 mg/l/4h (vapours).

Notes: No additional toxicology information is available for this product itself.

(See Component Toxicity Information).

Primary Routes of Entry:

Eye contact. Inhalation. Skin contact. Ingestion.

Skin Irritation / Corrosion: Contains: ethyl 2-cyanoacrylate. The mixture is classified as: Skin Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as skin irritant, category 2).

Eye Irritation / Serious Eye Damage: Contains: ethyl 2-cyanoacrylate. The mixture is classified as: Eye Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as eye irritant, category 2). Symptoms may include pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Respiratory / Skin Sensitizer: Contains: hydroquinone. May cause sensitization by skin contact. The mixture is classified as: Skin Sensitizer, category 1 based on ingredient data ($\geq 0.1\%$ ingredients classified as a skin sensitizer, category 1 or sub-category 1A or $\geq 1.0\%$ ingredients classified as a skin sensitizer, sub-category 1B). Prolonged contact with this product can cause reddening, swelling, rash scaling or blistering. In those who have developed skin sensitization, these symptoms can develop as a result of contact with very small amount of the liquid material. Based on available data, the classification criteria for respiratory sensitization are not met for this mixture (< 0.1% ingredients classified as a respiratory sensitizer, category 1 or sub-category 1A and < 1.0% ingredients classified as a respiratory sensitizer, sub-category 1B).

Germ Cell Mutagenicity: Based on available data, the classification criteria for Germ Cell Mutagenicity are not met for this mixture (< 0.1% ingredients classified as Germ Cell Mutagen, category 1A or 1B and < 1.0% ingredients classified as Germ Cell Mutagen, category 2).

Carcinogenicity

Chemical Name	NTP status	IARC status	OSHA status	Other
ethyl 2-cyanoacrylate	--	--	--	--
isopropyl 2-cyanoacrylate	--	--	--	--
hydroquinone	--	3	--	A3 (ACGIH)

Notes: Contains: hydroquinone. ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans.

The mixture is classified as: Carcinogenicity, category 2 based on ingredient data using the applicable cut-off/concentration limits ($\geq 0.1\%$ ingredients classified as a Carcinogen, category 2).

Reproductive Toxicity: Based on available data, the classification criteria for Reproductive Toxicity are not met for this mixture (< 0.1% ingredients classified as Reproductive Toxicity, category 1 or 2).

Specific Target Organ Toxicity - Single Exposure: Contains: Ethyl 2-cyanoacrylate. The mixture is classified as: Specific Target Organ Toxicity - Single Exposure, category 3, based on summation of ingredient data using the applicable cut-off/concentration limits ($\geq 20\%$ summation of all ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 3). Prolonged or excessive inhalation may cause respiratory tract irritation.

Specific Target Organ Toxicity - Repeated Exposure: Based on available data, the classification criteria for Specific Target Organ Toxicity - Repeated Exposure are not met for this mixture (< 1.0% ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 1 or 2).

Aspiration Hazard: Based on available data, the classification criteria for Aspiration Hazard are not met for this mixture (< 10% ingredients classified as an Aspiration Hazard, category 1 and/or mixture viscosity > 20.5 mm²/s at 40 °C).

12. ECOLOGICAL INFORMATION

Environmental Data: No data available.

Ecotoxicological Information: No data available.

Bioaccumulation/Accumulation: No data available.

XPSA-1 PLASTIC ADHESIVE WELD KIT - component XPAB1

Distribution: No data available.

Aquatic Toxicity (Acute): No data available.

Chemical Fate Information: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Method: Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal.

Product Disposal: Empty containers retain product residue; observe all precautions for product. Decontaminate containers prior to disposal.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

Proper Shipping Name : COMBUSTIBLE LIQUID, N.O.S.

Technical Name : cyanoacrylate ester

Primary Hazard Class/Division: Comb liq

UN/NA Number : 1993

Packing Group : III

Other Shipping Information:

These Regulations do not apply to the handling, offering for transport or transporting of less than 450 L of UN1993, COMBUSTIBLE LIQUID, N.O.S., on a road vehicle or a railway vehicle as per DOT 173.150 (f)(2).

Air (ICAO/IATA)

Shipping Name : AVIATION REGULATED LIQUID, N.O.S.

Technical Name : cyanoacrylate ester

UN/NA Number : 3334

Primary Hazard Class/Division: 3

Packing Group : III

Note: This product is unrestricted under 500 mL.

Vessel (IMO/IMDG)

Shipping Name : This product is not regulated.

UN/NA Number : N/A

Note: No data available.

Canadian Transportation of Dangerous Goods Regulations

Shipping Name : This product is not regulated.

UN/NA Number : N/A

TDG Note: No data available.

15. REGULATORY INFORMATION

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 HEALTH HAZARDS: Carcinogenicity, Eye Irritation, Respiratory Tract Irritation, Skin Irritation, Skin Sensitization

XPSA-1 PLASTIC ADHESIVE WELD KIT - component XPAB1

311/312 Physical Hazards: Flammable Liquids

EPCRA Section 313 Toxic Chemicals

Chemical Name	Wt. %	CAS number
hydroquinone	0.1 - 0.5	123-31-9

EPCRA Section 302 Extremely Hazardous Substances**EPCRA Status:**

Name	Wt %	TPQ
Hydroquinone	0.1 - 0.5	500

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical Name	Wt. %	RQ
hydroquinone	0.1 - 0.5	100

TSCA (The Toxic Substances Control Act)**TSCA Status:**

All components are included or are otherwise exempt from inclusion on this inventory.

CAA 112(b) - Hazardous Air Pollutants

Chemical Name	Wt. %	CAS number
hydroquinone	0.1 - 0.5	123-31-9

CAA 112(r) - List of Substances for Accidental Release Prevention:

This product contains no chemicals subject to CAA 112(r).

California Proposition 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

OSHA Hazard Communication Standard (29 CFR 1910.1200):

OSHA Status: Hazardous Product (See Section 2 for details).

This product has been classified in accordance with the hazard criteria of the USA OSHA Hazard Communication Standard (29CFR 1910.1200) and the Safety Data Sheet contains all the information required by the OSHA Hazard Communication Standard (HazCom 2012).

CANADA**WHMIS Hazard Symbol and Classification**

See Section 2 for details.

WHMIS Regulatory Status:

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

WHMIS Classification:

WHMIS 2015 (Canada) Status: Hazardous Product (See Section 2 for details).

CEPA - National Pollutant Release Inventory (NPRI):

This product contains no chemicals subject to CEPA - NPRI.

XP5A-1 PLASTIC ADHESIVE WELD KIT - component XPAB1

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):

All components are included or are otherwise exempt from inclusion on this inventory.

Comments VOC Content -- See section 9.

16. OTHER INFORMATION

Reason for Issue: The Safety Data Sheet was updated.

Approved By: Jim Gordon **Title:** R&D Chemist

Prepared By : Regulatory Compliance

Date Revised: 07/15/2020

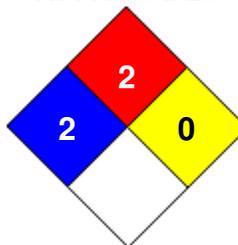
Information Contact: 905-670-5411

Revision Summary: This MSDS replaces the 07/15/2020 MSDS.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



NFPA 30 / 30B Storage Classification: Combustible Liquid IIIA

Manufacturer Supplemental Notes: None

Data Sources: Not Available

Additional SDS Information: N/AV Not Available

N/AP Not Applicable

ND Not yet determined

ACGIH American Conference of Governmental Industrial Hygienists

CAA The Clean Air Act

CCCR The Consumer Chemicals and Containers Regulations

CEPA The Canadian Environmental Protection Act

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

EPCRA The Emergency Planning and Community Right-To-Know Act

IARC International Agency for Research on Cancer

MSHA Mine Safety and Health Administration

NIOSH National Institute for Occupational Safety and Health

NTP National Toxicology Program

OSHA The Occupational Safety and Health Administration

SARA The Superfund Amendments and Reauthorization Act

WHMIS Workplace Hazardous Materials Information System

General Statements: No data available.

Comments: None

Manufacturer Disclaimer: The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of this material.