

# SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date Prepared : 10/16/2015

SDS No : XPSA Plastic Adhesive Weld Kit - XPAA\_ENG

Date Revised : 01/26/2018

Revision No : 5

## XPSA PLASTIC ADHESIVE WELD KIT - component XPAA

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** XPSA PLASTIC ADHESIVE WELD KIT - component XPAA

**Product Description:** Activator for Cyanoacrylate adhesive, 59.2 ml / 2 fl oz US

**General Use:** Activator for Cyanoacrylate adhesive.

**Product Stock/Code:** XPSA / 4025 Kit (XPAA / 402501)

**Chemical Family:** Solvent based / à base de solvant

**Molecular Formula:** Mixture / Mélange

#### 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:

Acute Toxicity (Inhalation), Category 3  
Acute Toxicity (Oral), Category 4  
Acute Toxicity (Dermal), Category 4  
Aspiration Hazard, Category 1  
Eye Irritation, Category 2  
Specific Target Organ Toxicity - Single Exposure, Category 3 (Narcotic Effects)  
Specific Target Organ Toxicity - Repeated Exposure, Category 2  
Carcinogenicity, Category 2

#### Physical hazards:

Flammable Liquids, Category 2

#### Label elements

Hazardous components for labelling:

**Acetone and N,N-Dimethyl-p-toluidine**



Flame



Skull and crossbones



Health hazard



Exclamation mark

**Signal Word:** DANGER

**Hazard statement(s)**

H225: Highly flammable liquid and vapour.

H331: Toxic if inhaled.

H302 + H312: Harmful if swallowed or in contact with skin.

H304: May be fatal if swallowed and enters airways.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H373: May cause damage to lungs, central nervous system and blood circulatory system through prolonged or repeated exposure.

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.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof electrical, ventilating and lighting equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P261: Avoid breathing mist, vapours or spray.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P308+P313: IF exposed or concerned: Get medical advice/ attention.

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.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P363: Wash contaminated clothing before reuse.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331: Do NOT induce vomiting.

P330: Rinse mouth.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P311: Call a POISON CENTER or doctor/physician.

P370+P378: In case of fire: Use dry chemical or foam to extinguish.

**Storage:**

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

**Disposal:**

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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:** Highly flammable liquid and vapour. Toxic if inhaled. May be harmful if swallowed or in contact with skin. Causes serious eye irritation. Substance does not generally irritate and is only mildly irritating to the skin. Prolonged or repeated exposure may cause damage to lungs, central nervous system and blood circulatory system. Vapours may cause drowsiness and dizziness. Suspected of causing cancer. Aspiration hazard.

**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
Acetone	84 - 86	67-64-1
N,N-Dimethyl-p-toluidine	14 - 16	99-97-8

**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:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and wash before reuse.

**Ingestion:** If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Inhalation:** If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain medical attention if breathing difficulty persists.

#### Signs and Symptoms of Overexposure

**Eye Contact:** Contact causes serious eye irritation. 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.

**Skin Contact:** May be absorbed through the skin in harmful amounts. Substance does not generally irritate and is only mildly irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Ingestion:** Substance may be harmful if swallowed.

**Inhalation:** High vapor or spray mist concentrations may be harmful if inhaled. High vapor concentrations may cause drowsiness.

**Additional Information:** No data available.

### 5. FIRE FIGHTING MEASURES

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**Flammable Properties:** Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Product can be ignited by static discharge.

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

**Hazardous Combustion Products:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**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 sensitive to static discharge.

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

### **6. ACCIDENTAL RELEASE MEASURES**

**Small Spill:** Eliminate all ignition sources. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly.

#### **Environmental Precautions**

**Water Spill:** Do not discharge into drains/surface waters/groundwater.

**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:** Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids. Ensure thorough ventilation of stores and work areas.

**Handling:** Do not use in the presence of open flame or spark. Wear recommended personal protective equipment. Use only in a well ventilated area. Do not breath vapors. Avoid contact with eyes, skin, and clothing. 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 place. Keep from freezing.

### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

OSHA / WHMIS 2015 HAZARDOUS COMPONENTS				
		Occupational Exposure Limits		
Chemical Name	Type	ppm	mg/m <sup>3</sup>	
Acetone	OSHA PEL	TWA	1000	2400
	ACGIH TLV	TWA	500	1188
		STEL	750	1782
	NIOSH REL	TWA	250	590
N,N-Dimethyl-p-toluidine	USA OEL	-	[1]	[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:** In case of insufficient ventilation, wear suitable respiratory equipment. NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

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

**Work Hygienic Practices:** Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Physical State** : Liquid
- Odor** : Ketone
- Odor Threshold** : Not Available
- Appearance** : Clear
- Color** : Colourless
- pH** : No data available.
- % Volatiles** : 99+ % w/w
- Flash Point and Method** : -18°C Setflash Closed Cup
- Flammable Limits** : 2.5 to 12.8

**Notes:** Based on data for acetone.

- Autoignition Temperature** : No data available.
- Vapor Pressure** : 24 kPa (184 mm Hg) [Acetone] at 20°C
- Vapor Density** : > 1
- Boiling Point** : 56 °C (Acetone)

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<b>Freezing Point</b>	: Not Available
<b>Melting Point</b>	: Not Available
<b>Solubility in Water</b>	: Partial
<b>Evaporation Rate (n-butyl acetate = 1)</b>	: > 1
<b>Density</b>	: 0.79 - 0.83 g/ml at 20°C
<b>Viscosity</b>	: Not Available
<b>VOC Content</b>	: < 16% w/w, less exempt solvents
<b>Oxidizing Properties</b>	: None

### 10. STABILITY AND REACTIVITY

**Reactive Hazard** : No

**Hazardous Polymerization:** Not expected to occur.

**Stability:** Stable.

**Conditions to Avoid:** Keep away from flames and incompatible materials. Keep away from flames and any object that sparks.

**Possibility of Hazardous Reactions:** No data available.

**Hazardous Decomposition Products:** Carbon Monoxide and other toxic vapors.

**Incompatible Materials:** Oxidizing materials.

### 11. TOXICOLOGICAL INFORMATION

#### Acute Toxicity

Chemical Name	Oral LD <sub>50</sub> mg/kg(rat)	Dermal LD <sub>50</sub> mg/kg (rabbit)	Inhalation LC <sub>50</sub> mg/l
Acetone	8400 5250(mouse) 5300(rabbit)	> 15,700	50.1(rat;8h) 44.0(mouse;4h)
N,N-Dimethyl-p-toluidine	1650	> 2000	1.4(rat;4h)

**Acute Toxicity - Dermal LD<sub>50</sub>:** Based on available ingredient data, the mixture is classified as: Acute Dermal Toxicity, Category 4. The calculated ATE is > 1000 and ≤ 2000 mg/kg. May be harmful in contact with skin. May be absorbed through the skin in harmful amounts.

**Acute Toxicity - Oral LD<sub>50</sub>:** Based on available ingredient data, the mixture is classified as: Acute Oral Toxicity, category 4. The calculated ATE is > 300 and ≤ 2000 mg/kg. Substance may be harmful if swallowed.

**Acute Toxicity - Inhalation LC<sub>50</sub>:** Based on available ingredient data, the mixture is classified as: Acute Inhalation Toxicity, category 3. The calculated ATE is >2 and ≤ 10 mg/l/4h (vapours). High vapor or spray mist concentrations may be harmful if inhaled.

**Notes:** < 1% of the mixture consists of an ingredient or ingredients of unknown acute toxicity. No additional toxicology information is available for this product itself. (See Component Toxicity Information).

**Primary Routes of Entry:**

Eye contact. Inhalation. Skin contact. Ingestion.

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**Skin Irritation / Corrosion:** Based on available data, the classification criteria for skin irritation are not met for this mixture. Substance does not generally irritate and is only mildly irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Eye Irritation / Serious Eye Damage:** Contains: Acetone. Contact causes serious eye irritation. The mixture is classified as: Eye Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as eye irritant, category 2). Liquid, aerosols and vapors of this product are irritating and can cause 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:** Based on available data, the classification criteria for skin/respiratory sensitization are not met for this mixture (< 0.1% ingredients classified as a skin sensitizer, category 1 or sub-category 1A and < 1.0% ingredients classified as a skin/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	General Toxicity
Acetone	--	--	--	A4 (ACGIH)	
N,N-Dimethyl-p-toluidine	P	--	--	--	P - The chemical is probably carcinogenic to humans.

**Notes:** 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 Acetone. 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). High vapor concentrations may cause drowsiness. May cause headaches and dizziness.

**Specific Target Organ Toxicity - Repeated Exposure:** Contains: N,N-Dimethyl-p-toluidine. The mixture is classified as: Specific Target Organ Toxicity - Repeated Exposure, category 2, based on ingredient data using the applicable cut-off/concentration limits ( $\geq 1.0\%$  ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 2). Prolonged or repeated exposure may cause damage to lungs, central nervous system and blood circulatory system.

**Aspiration Hazard:** The mixture is classified as: Aspiration Hazard, category 1 based on ingredient data and viscosity data ( $\geq 10\%$  ingredients classified as an Aspiration Hazard, category 1 and mixture viscosity  $\leq 20.5$  mm<sup>2</sup>/s at 40 °C). If swallowed, may be aspirated and cause lung damage.

## 12. ECOLOGICAL INFORMATION

**Environmental Data:** No data available.

**Ecotoxicological Information:** No data available.

**Bioaccumulation/Accumulation:** No data available.

**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. Do not discharge substance/product into sewer system.

**Product Disposal:** Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

**14. TRANSPORT INFORMATION**

**DOT (Department of Transportation)**

**Proper Shipping Name** : FLAMMABLE LIQUID, TOXIC, N.O.S.

**Technical Name** : Acetone, Dimethyltoluidine

**Primary Hazard Class/Division:** 3

**Secondary Hazard Class/Division:** 6.1

**UN/NA Number** : 1992

**Packing Group** : II

**Other Shipping Information:**

For products with an inner packaging < 1.0 L, this product may be shipped as a Limited Quantity.

**Vessel (IMO/IMDG)**

**Shipping Name** : FLAMMABLE LIQUID, TOXIC, N.O.S.

**Technical Name** : Acetone, Dimethyltoluidine

**UN/NA Number** : 1992

**Primary Hazard Class/Division:** 3

**Secondary Hazard Class/Division:** 6.1

**Packing Group** : II

**Marine Pollutant** : None

**Note:** For products with an inner packaging < 1.0 L, this product may be shipped as a Limited Quantity.

**Canadian Transportation of Dangerous Goods Regulations**

**Shipping Name** : FLAMMABLE LIQUID, TOXIC, N.O.S.

**Technical Name** : Acetone, Dimethyltoluidine

**UN/NA Number** : 1992

**Primary Hazard Class/Division:** 3

**Secondary Hazard Class/Division:** 6.1

**Packing Group** : II

**TDG Note:**

For products with an inner packaging < 1.0 L, this component may be shipped as a Limited Quantity as per TDG Section 1.17.

**15. REGULATORY INFORMATION**

**UNITED STATES**

**SARA Section 311/312 Hazard Categories**



## XPSA PLASTIC ADHESIVE WELD KIT - component XPAA

**311/312 Health Hazards:** Acute Toxicity (Dermal), Acute Toxicity (Inhalation), Acute Toxicity (Oral), Aspiration Hazard, Carcinogenicity, Eye Irritation, Narcotic Effects, Target Organ Toxicity (Repeated exposure)

**311/312 Physical Hazards:** Flammable Liquids

**Fire Hazard** : Yes  
**Sudden Release of Pressure** : No  
**Reactive Hazard** : No  
**Product Acute Toxicity** : Yes  
**Product Chronic Toxicity** : Yes

### EPCRA Section 302 Extremely Hazardous Substances

**EPCRA Status:**

This product contains no listed extremely hazardous substances that are subject to the reporting requirements of SARA Title III, Section 302.

### CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical Name	Wt. %	RQ
Acetone	84 - 86	5,000

### 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

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

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

### California Proposition 65

Chemical Name	Wt. %	Listed
N,N-Dimethyl-p-toluidine	14 - 16	Cancer

### 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.

## XPSA PLASTIC ADHESIVE WELD KIT - component XPAA

### 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 / Chemiste de R&D

**Prepared By :** Regulatory Compliance / Conformité réglementaire     **Date Revised:** 01/26/2018

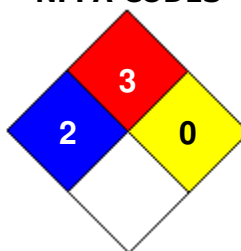
**Information Contact:** 905-670-5411

**Revision Summary:** This MSDS replaces the 09/29/2017 MSDS. Revised: **Section 1:** Reason for Issue. **Section 2:** Hazards Not Otherwise Classified. **Section 15:** 311/312 Health Hazards.

### HMIS RATING

<b>HEALTH</b>	*	<b>2</b>
<b>FLAMMABILITY</b>		<b>3</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>		<b>B</b>

### NFPA CODES



**NFPA 30 / 30B Storage Classification:** Flammable Liquid IB

**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:** None

**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.