

SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date Prepared : 10/16/2015

MSDS No : XPSA-1 Plastic Adhesive Weld Kit - XPAA_ENG

XPSA-1 PLASTIC ADHESIVE WELD KIT - component XPAA

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : XPSA-1 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-1 / 4026 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

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 4
Acute Toxicity (Dermal), Category 4
Acute Toxicity (Inhalation), Category 4
Eye Irritation, Category 2
Target Organ Toxicity (Single exposure), Category 3
Target Organ Toxicity (Repeated exposure), Category 2
Carcinogenicity, Category 1B

Physical:

Flammable Liquids, Category 2

GHS LABEL

Hazardous components for labelling:

Acetone and N,N-Dimethyl-p-toluidine



Flame



Health
hazard



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
H302 + H312 + H332: Harmful if swallowed, in contact with skin or if inhaled.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.
H350: May cause 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 / 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+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P331: Do NOT induce vomiting.
P330: Rinse mouth.
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+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

Disposal:

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

Emergency Overview

Immediate Concerns:

Flammable liquid and vapor. May be harmful if swallowed, in contact with skin or if inhaled. 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. May cause cancer.

Hazards Not Otherwise Classified:

No data available.

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Comments:

< 5 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.
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.

This product is a consumer product and is labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations and US Consumer Product Safety Commission regulations which take precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling. The actual container label will not include the above label elements. The labeling above applies to products used solely for industrial / professional use.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS No.
Acetone	80 - 90	67-64-1
N,N-Dimethyl-p-toluidine	10 - 20	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.

5. FIRE FIGHTING MEASURES

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.

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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 HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		Occupational Exposure Limits					
		OSHA PEL		ACGIH TLV		NIOSH REL	
Chemical Name		ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Acetone	TWA	1000	2400	500	--	250	590
	STEL	[1]	[1]	750	--	[1]	[1]
N,N-Dimethyl-p-toluidine	TWA	[1]	[1]	[1]	[1]	[1]	[1]

Footnotes:
1. NL: This material does not have established exposure limits.

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 Setaflash Closed Cup (Acetone)
- Flammable Limits** : 2.5 to 12.8

Notes: Based on data for acetone.

Autoignition Temperature :

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No data available.

Vapor Pressure	: 24 kPa (184 mm Hg) [Acetone] at 20°C
Vapor Density	: > 1
Boiling Point	: 56 °C (Acetone)
Freezing Point	: Not Available
Melting Point	: Not Available
Solubility in Water	: Partial
Evaporation Rate (n-butyl acetate = 1)	: > 1
Density	: 0.79 - 0.83 g/ml at 20°C
Viscosity	: Not Available
VOC Content	: < 20% w/w, less exempt solvents
Oxidizing Properties	: None

10. STABILITY AND REACTIVITY

Reactive Hazard : No

Hazardous Polymerization:

Not expected to occur.

Stability:

Stable.

Conditions to Avoid:

Keep away from flames and any object that sparks.

Possibility of Hazardous Reactions:

Not Available

Hazardous Decomposition Products:

Carbon Monoxide and other toxic vapors.

Incompatible Materials:

Oxidizing materials.

11. TOXICOLOGICAL INFORMATION

Product Acute Toxicity

Chemical Name	ORAL LD ₅₀ mg/kg (rat)	DERMAL LD ₅₀ mg/kg (rabbit)	INHALATION LC ₅₀ 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 LD₅₀: The calculated ATE is > 1000 and ≤ 2000 mg/kg

Notes:

Based on available ingredient data, the mixture is classified as: Acute Dermal Toxicity, Category 4. May be

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harmful in contact with skin. May be absorbed through the skin in harmful amounts.

Acute Toxicity - Oral LD₅₀: The calculated ATE is > 300 and ≤ 2000 mg/kg.

Notes:

Based on available ingredient data, the mixture is classified as: Acute Oral Toxicity, category 4. Substance may be harmful if swallowed.

Acute Toxicity - Inhalation LC₅₀: The calculated ATE is >10 and ≤ 20 mg/l/4h (vapours). The calculated ATE is > 1 and ≤ 5 mg/l/4h (mists).

Notes:

Based on available ingredient data, the mixture is classified as: Acute Inhalation Toxicity, category 4. High vapor or spray mist concentrations may be harmful if inhaled.

Toxicological Data:

< 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.

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.

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).

Carcinogenicity

Chemical Name	NTP Status	IARC Status	OSHA Status	General Toxicity
Acetone	--	--	--	
N,N-Dimethyl-p-toluidine	P	--	--	P - The chemical is probably carcinogenic to humans.

Notes:

The mixture is classified as: Carcinogenicity, category 1 based on ingredient data using the applicable cut-off/concentration limits (≥ 0.1% ingredients classified as a Carcinogen, category 1A or 1B).

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 (≥ 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.

Respiratory / Skin Sensitizer:

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).

Based on available data, the classification criteria for skin 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

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skin sensitizer, sub-category 1B).

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.

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).

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.

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

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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

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	80 - 90	5,000

TSCA (The Toxic Substances Control Act)

TSCA Status:

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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	10 - 20	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.

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: NEW

Approved By: Jim Gordon **Title:** R&D Chemist / Chemiste de R&D

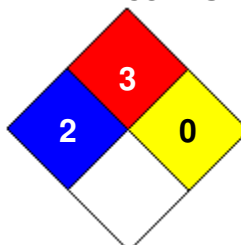
Prepared By : Regulatory Compliance / Conformité réglementaire **Date Prepared:** 10/16/2015

Information Contact: 905-670-5411

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES



NFPA 30 / 30B Storage Classification: Flammable Liquid IB

Manufacturer Supplemental Notes:

None

Data Sources:

Not Available

Additional MSDS Information:

N/AV Not Available

N/AP Not Applicable

ND Not yet determined

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 Act

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.