



## Safety Data Sheet XSM5002 Medium Panel Adhesive, Part B

Version 1.0

Revision Date 08/14/2015

### SECTION 1. IDENTIFICATION

Commercial Product Name : Medium Panel Adhesive, Part B  
Product number : XSM5002, Part B  
                                  : Kit: 207 ml / 7.0 fl oz US  
Product Use Description : Epoxy Adhesive  
Company : Dominion Sure Seal Ltd.  
                                  : 6175 Danville Road, Mississauga  
                                  : Ontario, Canada L5T 2H7  
  
Telephone : (905) 670-5411  
Telefax : (905) 670-5174  
Web Site : [www.dominionsureseal.com](http://www.dominionsureseal.com)  
  
Emergency telephone numbers : CANUTEC: (613) 996-6666  
  : CHEMTREC: (800) 424-9300

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Skin corrosion : Category 1B  
Serious eye damage : Category 1  
Skin sensitisation : Category 1  
Carcinogenicity : Category 2  
Reproductive toxicity : Category 2

#### GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.  
                                  : H317 May cause an allergic skin reaction.

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H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P281 Use personal protective equipment as required.  
**Response:**  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
**Storage:**  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent- Weight percent
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Talc	14807-96-6	>= 50 - < 70
Fatty acids, C18-unsatd., dimers, compds. with polyethylenepolyamine-tall-oil fatty acid reaction products	64754-99-0	>= 20 - < 30
4-nonylphenol, branched	84852-15-3	>= 10 - < 20
Barium sulphate	7727-43-7	>= 5 - < 10
4,4'-isopropylidenediphenol	80-05-7	>= 1 - < 5
2,2'-iminodiethylamine	111-40-0	>= 1 - < 5
Glass, oxide, chemicals	65997-17-3	>= 1 - < 5
Titanium dioxide	13463-67-7	>= 1 - < 5

## SECTION 4. FIRST AID MEASURES

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First aider needs to protect himself. Move out of dangerous area. Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
- Inhalation : If breathed in, move person into fresh air. If symptoms persist, call a physician. Keep patient warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- Skin contact : Do NOT use solvents or thinners. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty. Immediately flush skin with large amounts of water.
- Eye contact : Protect unharmed eye. Small amounts splashed into eyes can cause irreversible tissue damage and blindness. If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. If a person vomits when lying on his back, place him in the recovery position.

### Notes to physician

- Treatment : Treat symptomatically and supportively.

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### SECTION 5. FIREFIGHTING MEASURES

- Form : paste  
Flash point : >100 °C (212 °F)
- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
Hazardous decomposition products may be formed under fire conditions (see section 10).
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.
- Further information : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
In the event of fire and/or explosion do not breathe fumes.  
Use water spray to cool unopened containers.  
Collect contaminated fire extinguishing water separately.  
This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Refer to protective measures listed in sections 7 and 8.  
Use personal protective equipment.  
Avoid contact with skin and eyes.

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- Environmental precautions : Ensure adequate ventilation, especially in confined areas. Avoid inhalation of vapour or mist.
- Environmental precautions : Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment. Refer to special instructions/ Safety data sheets.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly.
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### SECTION 7. HANDLING AND STORAGE

#### Handling

- Handling : For personal protection see section 8. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Use appropriate container to avoid environmental contamination. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Dust explosion class : Not applicable

#### Storage

- Requirements for storage areas and containers : Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.
- Advice on common storage : Incompatible with acids and bases. Incompatible with oxidizing agents.

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Other data : No decomposition if stored and applied as directed.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Components	CAS-No.	List	Type:	Value	Update
Talc	14807-96-6	NIOSH REL	TWA	2 mg/m <sup>3</sup>	2013-10-08
		ACGIH	TWA	2 mg/m <sup>3</sup>	2013-03-01
		OSHA Z-3	TWA	20 Million particles per cubic foot	2012-07-01
		OSHA P0	TWA	2 mg/m <sup>3</sup>	1989-01-19
Barium sulphate	7727-43-7	NIOSH REL	TWA	5 mg/m <sup>3</sup>	2013-10-08
		NIOSH REL	TWA	10 mg/m <sup>3</sup>	2013-10-08
		OSHA Z-1	TWA	15 mg/m <sup>3</sup>	2011-07-01
		OSHA Z-1	TWA	5 mg/m <sup>3</sup>	2011-07-01
		ACGIH	TWA	5 mg/m <sup>3</sup>	2014-03-01
2,2'-iminodiethylamine	111-40-0	ACGIH	TWA	1 ppm	2013-03-01
		NIOSH REL	TWA	1 ppm      4 mg/m <sup>3</sup>	2013-10-08
Titanium dioxide	13463-67-7	OSHA Z-1	TWA	15 mg/m <sup>3</sup>	2011-07-01
		ACGIH	TWA	10 mg/m <sup>3</sup>	2014-03-01
		OSHA P0	TWA	10 mg/m <sup>3</sup>	1989-01-19
Glass, oxide, chemicals	65997-17-3	ACGIH	TWA	5 mg/m <sup>3</sup>	2010-03-01
		ACGIH	TWA	1 fibre/cm <sup>3</sup>	2010-03-01
		ACGIH	TWA	1 fibre/cm <sup>3</sup>	2010-03-01

Engineering measures : Provide sufficient air exchange and/or exhaust in work rooms.

Eye protection : Wear eye/face protection.  
Ensure that eyewash stations and safety showers are close to the workstation location.

Hand protection  
Glove material : Nitrile rubber

Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

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- Skin and body protection : Wear suitable protective clothing.  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.  
Respirator with combination filter for vapour/particulate (EN 141)
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
General industrial hygiene practice.  
Avoid breathing vapours, mist or gas.  
Avoid contact with skin, eyes and clothing.  
When using do not eat, drink or smoke.  
Wash hands before breaks and at the end of workday.  
Follow the skin protection plan.  
Wash contaminated clothing before re-use.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : paste  
Physical state : liquid
- Colour : white  
Odour : amine-like  
Odour Threshold : No data available  
Flash point : >100 °C (212 °F)
- Ignition temperature : No data available  
Thermal decomposition : No data available  
Lower explosion limit : No data available  
Upper explosion limit : No data available  
Flammability : No data available  
Molecular weight : No data available  
pH : No data available
- Melting point/range : No data available
- Boiling point/boiling range : No data available

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Vapour pressure	: No data available
Relative vapour density	: >1 (Air = 1.0)
Evaporation rate	: No data available
Density	: 1.5 - 1.6 g/cm <sup>3</sup>
Relative density	: No data available
Bulk density	: No data available
Water solubility	: slightly soluble
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Volatile organic compounds (VOC) content	: < 3 % < 45 g/l

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### SECTION 10. STABILITY AND REACTIVITY

Materials to avoid	: Acids and bases Oxidizing agents Water
Hazardous decomposition products	: Carbon monoxide Nitrogen oxides (NO <sub>x</sub> ) Sulphur oxides
Hazardous reactions	: Note: No decomposition if stored and applied as directed.

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### SECTION 11. TOXICOLOGICAL INFORMATION

Acute dermal toxicity	: Acute toxicity estimate Dose: > 5,000 mg/kg Method: Calculation method
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Carcinogenicity : No data is available on the product itself.  
Reproductive toxicity : No data is available on the product itself.  
Teratogenicity : No data is available on the product itself.  
Further information : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

### Component:

Talc	14807-96-6	<u>Acute oral toxicity</u> : LD50 Rat Dose: > 10,000 mg/kg  <u>Acute inhalation toxicity</u> : LC50 Rat Dose: > 0.383 mg/l/Exposure time: 6 h  <u>Skin irritation</u> : Rabbit Result: No skin irritation  <u>Eye irritation</u> : Rabbit Result: No eye irritation
Fatty acids, C18-unsatd., dimers, compds. with polyethylenepolyamine-tall-oil fatty acid reaction products	64754-99-0	<u>Skin irritation</u> : Result: Irritating to skin.  <u>Eye irritation</u> : Result: Irritating to eyes.
4-nonylphenol, branched	84852-15-3	<u>Acute oral toxicity</u> : LD50 Dose: > 300 - 2,000 mg/kg  <u>Skin irritation</u> : Result: Causes burns.  <u>Reproductive toxicity</u> : Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments., Suspected of damaging fertility. Suspected of damaging the unborn child.
4,4'-isopropylidenediphenol	80-05-7	<u>Eye irritation</u> : Result: Risk of serious damage to eyes.  <u>Reproductive toxicity</u> : Suspected human reproductive toxicant Suspected of damaging fertility.
2,2'-iminodiethylamine	111-40-0	<u>Acute oral toxicity</u> : LD50 Rat Dose: 1,553 mg/kg  <u>Acute dermal toxicity</u> : LD50 Rabbit Dose: 1,045 mg/kg

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Acute inhalation toxicity: LC0 Rat  
Dose: 0.07 mg/l/Exposure time: 4 h  
Method: OECD Test Guideline 403

Skin irritation: Rabbit  
Result: Causes burns.

Eye irritation: Rabbit  
Result: Corrosive

Titanium dioxide

13463-67-7

Acute oral toxicity: LD50 Rat  
Dose: > 5,000 mg/kg

Acute inhalation toxicity: LC50 Rat  
Dose: > 6.82 mg/l/Exposure time: 4 h

Skin irritation: Rabbit  
Result: No skin irritation

Eye irritation: Rabbit  
Result: No eye irritation

## Carcinogenicity:

### ACGIH

Glass, oxide, chemicals

65997-17-3

### OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

### NTP

Talc

14807-96-6

### IARC

Titanium dioxide

13463-67-7

Glass, oxide, chemicals

65997-17-3

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### SECTION 12. ECOLOGICAL INFORMATION

Adsorbed organic bound halogens (AOX) : not included  
Volatile organic compounds (VOC) content : < 3 %  
Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

#### Component:

Talc	14807-96-6	<u>Toxicity to fish:</u> LC50 Species: Brachydanio rerio (zebrafish) Dose: > 100,000 mg/l Exposure time: 24 h
2,2'-iminodiethylamine	111-40-0	<u>Toxicity to fish:</u> LC50 Species: Poecilia reticulata (guppy) Dose: 0.43 g/l Exposure time: 96 h  <u>Acute and prolonged toxicity for aquatic invertebrates:</u> EC50 Species: Daphnia magna (Water flea) Dose: 16 mg/l Exposure time: 48 h  <u>Toxicity to algae:</u> ErC50 Species: Pseudokirchneriella subcapitata (microalgae) Dose: 1,164 mg/l Exposure time: 72 h  <u>Toxicity to algae:</u> EbC50 Species: Pseudokirchneriella subcapitata (microalgae) Dose: 187 mg/l Exposure time: 72 h  <u>Toxicity to algae:</u> NOEC Species: Pseudokirchneriella subcapitata (microalgae) Dose: 10 mg/l Exposure time: 72 h

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Titanium dioxide

13463-67-7

Toxicity to bacteria:  
Respiration inhibition EC50  
Species: Bacteria  
Dose: 32.7 mg/l  
Exposure time: 3 h  
Method:

Toxicity to bacteria:  
Respiration inhibition NOEC  
Species: Bacteria  
Dose: 6 mg/l  
Exposure time: 3 h  
Method:

Toxicity to fish:  
LC50  
Species: Oncorhynchus mykiss (rainbow trout)  
Dose: > 100 mg/l  
Exposure time: 96 h

Toxicity to algae:  
ErC50  
Species: Pseudokirchneriella subcapitata (microalgae)  
Dose: 61 mg/l  
Exposure time: 72 h  
No toxicity at the limit of solubility

Toxicity to algae:  
NOEC  
Species: Pseudokirchneriella subcapitata (microalgae)  
Dose: 1 mg/l  
Exposure time: 72 h

Toxicity to algae:  
ErC50  
Species: Skeletonema costatum (marine diatom)  
Dose: > 10,000 mg/l  
Exposure time: 72 h

Toxicity to algae:  
NOEC  
Species: Skeletonema costatum (marine diatom)  
Dose: 5,600 mg/l  
Exposure time: 72 h

### SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.  
Do not dispose of waste into sewer.  
This material and its container must be disposed of as

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hazardous waste.  
Do not dispose of together with household waste.

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## SECTION 14. TRANSPORT INFORMATION

### DOT 49 CFR

ID No : UN 1760  
Proper shipping name : Corrosive liquids, n.o.s.  
(4-nonylphenol, branched, 2,2'-iminodiethylamine)  
Class : 8  
Packing group : III  
Labels : 8  
Emergency Response : 154  
Guidebook Number

### TDGR

ID No : UN 1760  
Proper shipping name : CORROSIVE LIQUID, N.O.S.  
(4-nonylphenol, branched, 2,2'-iminodiethylamine)  
Class : 8  
Packing group : III  
Labels : 8

### ICAO/IATA-DGR

ID No : UN 1760  
Proper shipping name : Corrosive liquid, n.o.s.  
(4-nonylphenol, branched, 2,2'-iminodiethylamine)  
Class : 8  
Packaging group : III  
ICAO-Labels : 8  
Packing instruction (cargo : 856  
aircraft)  
Packing instruction : 852  
(passenger aircraft)  
Packing instruction : Y841  
(passenger aircraft)  
Environmentally hazardous : no

### IMDG-Code

ID No : UN 1760  
Description of the goods : CORROSIVE LIQUID, N.O.S.  
(2,2'-iminodiethylamine, 4-nonylphenol, branched)

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Class : 8  
Packaging group : III  
IMDG-Labels : 8  
EmS Number 1 : F-A  
EmS Number 2 : S-B  
  
Marine pollutant : yes

## SECTION 15. REGULATORY INFORMATION

**SARA 311/312 Hazards** : Acute Health Hazard  
Chronic Health Hazard

**PENN RTK** US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Components	CAS-No.
4,4'-isopropylidenediphenol	80-05-7
Titanium dioxide	13463-67-7
Talc	14807-96-6
Barium sulphate	7727-43-7
4-nonylphenol, branched	84852-15-3
2,2'-iminodiethylamine	111-40-0
Fatty acids, C18-unsatd., dimers, compds. with polyethylenepolyamine-tall-oil fatty acid reaction products	64754-99-0

**MASS RTK** US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Components	CAS-No.
4,4'-isopropylidenediphenol	80-05-7
Titanium dioxide	13463-67-7
Talc	14807-96-6
Barium sulphate	7727-43-7
2,2'-iminodiethylamine	111-40-0

**NJ RTK** US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Components	CAS-No.
4,4'-isopropylidenediphenol	80-05-7
Titanium dioxide	13463-67-7

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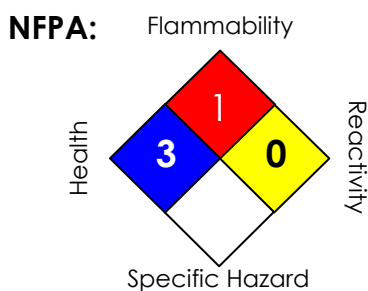
Talc	14807-96-6
Barium sulphate	7727-43-7
Glass, oxide, chemicals	65997-17-3
4-nonylphenol, branched	84852-15-3
2,2'-iminodiethylamine	111-40-0
Fatty acids, C18-unsatd., dimers, compds. with polyethylenepolyamine-tall-oil fatty acid reaction products	64754-99-0

## California Prop. 65

: WARNING! This product contains a chemical known to the State of California to cause cancer.

## SECTION 16. OTHER INFORMATION

### Further information



### HMIS III:

<b>HEALTH</b>	<b>3*</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL</b>	<b>0</b>

0 = Insignificant, 1 = Slight,  
2 = Moderate, 3 = High, 4 = Extreme

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Prepared by : Product Regulatory

Revision Date : 08/14/2015

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