

# SAFETY DATA SHEET

Product:

**PRO SEAL & SET 100NS A**

Revision Date:

**2018-05-06**

## Section 1. Product and Company Identification

Product Name: **PRO SEAL & SET 100NS A**  
Recommended Use(s): Adhesive Part A  
Non-Recommended Use(s): Not specified  
Manufacturer: **Proma Adhesives**, 9801 Parkway,  
Anjou, QC, Canada, H1J 1P3  
Email: info@proma.ca  
Url: www.proma.us/site/  
Emergency Contact: **Emergency Spills (CANUTEC): (613)996-6666** /Emergency contact number in Canada  
**Emergency Spills (CHEMTREC): (800)424-9300** /Emergency contact number in the US

## Section 2. Hazard Identification

### GHS Classification for mixture:

Skin Sensitization 1B May cause allergic reaction  
Repro. 2 Suspected of damaging fertility or unborn child if inhaled  
Aquatic chronic 3 Harmful to aquatic life

### Pictograms:



### Signal Words:

Warning

### Hazard Statements:

May cause an allergic skin reaction  
Suspected of damaging fertility or the unborn child if inhaled  
Harmful to aquatic life

### Precautionary Statements: General Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Contaminated work clothing should not be allowed out of the workplace.  
Avoid release to the environment.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.

### Response

IF ON SKIN: Wash with plenty of soap and water.  
IF exposed or concerned: Get medical advice/attention.  
Specific treatment (see supplemental first aid instructions on this label).  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.

### Storage

Store locked up.

### Disposal

Dispose of contents/container to an approved waste disposal plant.

## SAFETY DATA SHEET

### Section 3. Composition / Information on Ingredients

Percentage	Ingredients	Identifiers	Classification
<9,9	Bisphenol A epoxy resin	25085-99-8	Skin sens. 1B, Skin irrit.2, Eye Irrit.2A, Aqua.Chronic2
<1,7	Phenol, 4-nonyl-, branched	84852-15-3	AcuTox4, skin1, Eye1, ReprTox2, STOT-s3

### Section 4. First-Aid Measures

#### First-Aid: Eyes

Wash immediately with water

#### First-Aid: Skin

Immediately take off all contaminated clothing

Obtain medical attention if skin related symptoms persist.

#### First-Aid: Ingestion

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

#### First-Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest,

**In case of accident or unwellness, seek medical advice immediately showing SDS and the hazard label.**

### Section 5. Fire-Fighting Measures

#### Flammability

This product do not burn easily. It must be heated substantially to become hazardous

#### Suitable Extinguishing Media

Use dry chemical, water spray, carbon dioxide or alcohol-resistant foam.

#### Unsuitable Extinguishing Media

Not available

#### Specific Hazards Arising from Combustion of Products

Do not inhale combustion gases.

Burning produces heavy smoke

#### Protective Measures for Fire-Fighting

Use suitable breathing apparatus

Collect contaminated fire extinguishing water separately. This must not be discharged into drain

In the case of large fires, evacuate residents who are downwind of fire.

#### Specific Hazards Arising from Combustion of Products

Sensitivity to mechanical impact: Not available

Sensitivity to Static discharge: Not available

### Section 6. Accidental Release Measures

#### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protection equipment. See protective measures under point 7 and 8.

Remove persons to safety.

#### Environmental Precautions

Prevent entry into sewers, water courses, soil, basements or confined areas.

If unsuccessful, advise the local emergency services and environmental authorities.

Dispose the material in accordance with the government regulation.

#### Clean-up Procedures

Suitable material for taking up: absorbing material, sand.

Dispose the material in accordance with the government regulations.

## SAFETY DATA SHEET

### Section 7. Handling and Storage

#### Precautions for Safe Handling

See section 8 for recommended protective equipment.  
 Avoid contact with skin, eyes. Launder contaminated clothes before reuse.  
 Wash any exposed area of body thoroughly after handling before eating, drinking or smoking.  
 Do not eat or drink while working.  
 Ensure there is sufficient ventilation of the area.  
 Report immediately if physical damage, leakage or spillage occurs.

#### Conditions for Safe Storage

Storage temperature: Avoid heat  
 Store in a well-ventilated area. Respect the laws of the safety standards and occupational health.  
 Incompatible materials: Reactive amine may form diisocyanate at lower temperature

### Section 8. Exposure Controls / Personal Protection

#### Control Parameters / Exposure Guideline

Component	OSHA-PEL	ACGI-TLV
-----------	----------	----------

#### Control Parameters / Individual Protective Measures

Eye/Face Protection:	Use close fitting goggles, don't use eye lens.
Skin and Body Protection:	Use clothing that provide protection to skin, e.g. cotton, rubber, PVC or viton.
Hand Protection:	Use protective gloves that provide protection, e.g. PVC, neoprene or rubber.
Respiratory protection:	N.A.

### Section 9. Physical and Chemical Properties

#### Basic physical and chemical properties Information

<b>Physical state:</b>	Thick low-sagging paste as-is. (Hard visco-elastic solid in cured state)
<b>Color:</b>	White-gray
<b>Odour:</b>	Very weak odor
<b>Odour threshold:</b>	N.A.
<b>pH:</b>	N.A.
<b>Melting/freezing point:</b>	N.A.
<b>Boiling point:</b>	> 280 °C
<b>Flash point:</b>	N.A.
<b>Evaporation rate:</b>	N.A.
<b>Flammability:</b>	N.A.
<b>Upper Explosive Limit:</b>	N.A.
<b>Lower Explosive Limit:</b>	N.A.
<b>Vapor pressure:</b>	N.A.
<b>Vapor density:</b>	N.A.
<b>Specific gravity (kg/L):</b>	1,35
<b>Solubility in water</b>	Insoluble
<b>Octanol/Water coefficient:</b>	N.A.
<b>Auto-ignition temperature:</b>	N.A.
<b>Decomposition temperature:</b>	N.A.
<b>Viscosity (kcPs @ 21°C):</b>	N.A.
<b>Oxidizing Properties:</b>	N.A.
<b>Explosive Properties:</b>	N.A.
<b>VOC content (g/l)</b>	9

# SAFETY DATA SHEET

## Section 10. Chemical Stability & Reactivity Information

<b>Stability/Reactivity</b>	Stable under ambient condition.
<b>Possibility of Hazardous Reactions</b>	None
<b>Conditions to Avoid</b>	Fire. Heat. Incompatible materials.
<b>Materials to Avoid</b>	None known
<b>Hazardous Products of Decomposition</b>	None

## Section 11. Toxicological Information

<b>Toxicological Information for Product</b>	
There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.	
<b>Toxicological Information for Component</b>	
Phenol, 4-nonyl-, branched	LD50 Skin Rabbit > 2031 mg/kg LD50 Oral Rat > 580 mg/kg

## Section 12. Ecological Information

<b>Ecotoxicity:</b>	Avoid release into the environment.
<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available

## Section 13. Disposal Considerations

<b>Waste Disposal Regulation(s) / Operation</b>	
Users need to pay attention to the possible existence of regional or national regulations regarding disposal.	

## Section 14. Transportation Information [ADR-UN, DOT-UN, IATA, IMDG]

<b>Regulation:</b>	Not regulated for transportation.
--------------------	-----------------------------------

## Section 15. Regulatory Information

<b>Safety, Health and Environmental Regulations</b>			
<b>USA - Federal regulations</b>			
<b>TSCA Inventory</b>	All the components are listed on the TSCA inventory		
CERCLA	No substance listed		
<b>TSCA Listed substance</b>	Section 8b, section 8a -PAIR		
Nonyl phenol			
USA - State specific regulations			
	California	Pennsylvania	
Calcium carbonate		Yes	Yes
Yes			
<b>CANADA</b>			

**SAFETY DATA SHEET****Section 16. Other Information****Date of preparation :** **May 6, 2018****Version :** **V0.5****Prepared by :** **PROMA ADHESIVES****Other Information Disclaimer:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

**Glossary**

CAS	Chemical Abstracts Service.
GHS	Global ly Harmonized System of Classification and Labeling of Chemicals.
CLP	Classification, Labeling, Packaging.
ACGIH	American Conference of Governmental Industrial Hygienists.
DSL	Canadian Domestic Substances List.
NDSL	Canadian Non-Domestic Substances List.
EINECS	European Inventory of Existing Commercial Chemical Substances.
INCI	International Nomenclature of Cosmetic Ingredients.
NIOSH	National Institute for Occupational Safety and Health.
OSHA	Occupational Safety and Health Administration, US.
US EPA	US Environmental Protection Agency.
IATA	International Air Transport Association.
ICAO	International Civil Aviation Organisation.
IMDG	International Maritime Dangerous Goods Code.
US DOT	US Department of Transportation USA.
LC50	Lethal concentration that will kill 50 percent of the test animals within a specified time.
LD50	The dose required to produce the death in 50 percent of the exposed species within a specified time.
TWATLV	Threshold Limit Value for the time Average 8 hrs day. (ACGIH Standard).
STEL	Short Term Exposure Limit.
STOT	Specific Target Organ Toxicity.
NA	Not Available.

# SAFETY DATA SHEET

Product:

**PRO SEAL & SET 100NS B**

Revision Date:

**2018-05-06**

## Section 1. Product and Company Identification

Product Name: **PRO SEAL & SET 100NS B**  
 Recommended Use(s): Adhesive Part B  
 Non-Recommended Use(s): Not specified  
 Manufacturer: **Proma Adhesives**, 9801 Parkway,  
 Anjou, QC, Canada, H1J 1P3  
 Email: info@proma.ca  
 Url: www.proma.us/site/  
 Emergency Contact: **Emergency Spills (CANUTEC): (613)996-6666** /Emergency contact number in Canada  
**Emergency Spills (CHEMTREC): (800)424-9300** /Emergency contact number in the US

## Section 2. Hazard Identification

### GHS Classification for mixture:

Skin Sensitization 1A	May cause allergic reaction
Skin corr. 1B	Cause severe skin burn and eye damage
Repro. 2	Suspected of damaging fertility or unborn child if inhaled
Aquatic acute 2	Toxic to aquatic life
Aquatic chronic 3	Harmful to aquatic life

### Pictograms:



### Signal Words:

Danger

### Hazard Statements:

May cause an allergic skin reaction  
 Cause severe skin burn and eye damage  
 Suspected of damaging fertility or unborn child if inhaled  
 Toxic to aquatic life  
 Harmful to aquatic life

### Precautionary Statements: General

#### Prevention

Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 Contaminated work clothing should not be allowed out of the workplace.  
 Avoid release to the environment.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Wash skin thoroughly after handling.  
 Use only outdoors or in a well ventilated area  
 Use personal protective equipment as required.

#### Response

IF ON SKIN: Wash with plenty of soap and water.  
 IF exposed or concerned: Get medical advice/attention.  
 Specific treatment (see supplemental first aid instructions on this label).  
 If skin irritation or rash occurs: Get medical advice/attention.  
 Wash contaminated clothing before reuse.

#### Storage

Store locked up.

# SAFETY DATA SHEET

## Disposal

Dispose of contents/container to an approved waste disposal plant.

## Section 3. Composition / Information on Ingredients

Percentage	Ingredients	Identifiers	Classification
70 - 80%	3-aminomethyl-3,5,5-trimethylcyclohexylamin	2855-13-2	AcuTox4,Skin1B,Eye1A, Sens1A,Aqua.A3, Aqua.c3
15 - 20 %	Tris-2,4,6-(dimethylaminomethyl)phenol	90-72-2	Classified
1 - 3%	Bis(dimethylaminomethyl)phenol	71074-89-0	Classified

## Section 4. First-Aid Measures

### First-Aid: Eyes

Protect uninjured eye.

Wash immediately with water for a sufficient length of time, then consult an ophthalmologist immediately.

### First-Aid: Skin

Immediately take off all contaminated clothing

Obtain medical attention if skin related symptoms persist.

After contact with skin, wash immediately with soap and plenty of water.

### First-Aid: Ingestion

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

### First-Aid: Inhalation

**In case of accident or unwellness, seek medical advice immediately showing SDS and the hazard label.**

## Section 5. Fire-Fighting Measures

### Suitable Extinguishing Media

Use dry chemical, water spray, carbon dioxide or alcohol-resistant foam.

### Unsuitable Extinguishing Media

Not available

### Specific Hazards Arising from Combustion of Products

The substances/groups of substances mentioned can be released in case of fire.

### Protective Measures for Fire-Fighting

Wear self-contained breathing apparatus and chemical-protective clothing.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Specific Hazards Arising from Combustion of Products

Sensitivity to mechanical impact: Not available

Sensitivity to Static discharge: Not available

## Section 6. Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

Avoid inhalation. Avoid contact with the skin, eyes and clothing.

Remove persons to safety.

### Environmental Precautions

Prevent entry into sewers, water courses, soil, basements or confined areas.

If unsuccessful, advise the local emergency services and environmental authorities.

Dispose the material in accordance with the government regulation.

### Clean-up Procedures

Suitable material for taking up: absorbing material, sand.

Dispose the material in accordance with the government regulations.

## SAFETY DATA SHEET

### Section 7. Handling and Storage

#### Precautions for Safe Handling

Ensure thorough ventilation of stores and work areas.  
 Handle in accordance with good industrial hygiene and safety practice.  
 When using do not eat, drink or smoke.  
 Hands and/or face should be washed before breaks and at the end of the shift.  
 Protection against fire and explosion: Take precautionary measures against static discharges.

#### Conditions for Safe Storage

Segregate from acids and acid forming substances. Segregate from isocyanates.  
 Segregate from epoxides.

### Section 8. Exposure Controls / Personal Protection

#### Control Parameters / Exposure Guideline

Component	OSHA-PEL	ACGI-TLV
No occupational exposure limits known.		

#### Control Parameters / Individual Protective Measures

<b>Eye/Face Protection:</b>	Tightly fitting safety goggles (chemical goggles).
<b>Skin and Body Protection:</b>	Use clothing that provide protection to skin, e.g. cotton, rubber, PVC or viton.
<b>Hand Protection:</b>	Chemical resistant protective gloves, Suitable materials, polyvinylchloride
<b>Body Protection :</b>	Impermeable protective clothing
<b>Respiratory protection:</b>	Wear a NIOSH-certified (or equivalent) organic vapour/ particulate respirator.

### Section 9. Physical and Chemical Properties

#### Basic physical and chemical properties Information

<b>Physical state:</b>	Thick low-sagging paste as-is. (Hard visco-elastic solid in cured state)
<b>Color:</b>	White-gray
<b>Odour:</b>	Very weak odor
<b>Odour threshold:</b>	N.A.
<b>pH:</b>	11 - 12
<b>Melting/freezing point:</b>	N.A.
<b>Boiling point:</b>	> 240 °C
<b>Flash point:</b>	115 °C
<b>Evaporation rate:</b>	N.A.
<b>Flammability:</b>	N.A.
<b>Upper Explosive Limit:</b>	N.A.
<b>Lower Explosive Limit:</b>	N.A.
<b>Vapor pressure:</b>	N.A.
<b>Vapor density:</b>	N.A.
<b>Specific gravity (kg/L):</b>	0,95
<b>Solubility in water</b>	> 450 g/L
<b>Octanol/Water coefficient:</b>	N.A.
<b>Auto-ignition temperature:</b>	N.A.
<b>Decomposition temperature:</b>	N.A.
<b>Viscosity (kcPs @ 21°C):</b>	N.A.
<b>Oxidizing Properties:</b>	N.A.
<b>Explosive Properties:</b>	N.A.
<b>VOC content (g/l)</b>	N.A.

## SAFETY DATA SHEET

### Section 10. Chemical Stability & Reactivity Information

#### Stability/Reactivity

It is not a self-decomposable substance.

#### Possibility of Hazardous Reactions

Reacts with acids and strong oxidizing agents.

Reacts with halogenated compounds. Strong exothermic reaction.

#### Conditions to Avoid

Avoid all sources of ignition: heat, sparks, open flame.

#### Materials to Avoid

Strong oxidizing agents, acids, halogenated compounds acids

#### Hazardous Products of Decomposition

Hazardous decomposition products: carbon oxides, nitrogen oxides, nitrous gases

### Section 11. Toxicological Information

#### Toxicological Information for Product

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

#### Toxicological Information for Component

Isophorone d Isophorone diamine

LD50 Oral rat = 1030 mg/kg

2,4,6-Tri(dim 2,4,6-Tri(dimethylaminomethyl) phenol

LD50 Skin rat = 1280 mg/kg

LD50 Oral rat = 1000 mg/kg

### Section 12. Ecological Information

<b>Ecotoxicity:</b>	Avoid release into the environment.
<b>Persistence and Degradability:</b>	Not available
<b>Bioaccumulative Potential:</b>	Not available
<b>Mobility in Soil:</b>	Not available

### Section 13. Disposal Considerations

#### Waste Disposal Regulation(s) / Operation

Users need to pay attention to the possible existence of regional or national regulations regarding disposal.

### Section 14. Transportation Information [ADR-UN, DOT-UN, IATA, IMDG]

DOT UN number :

UN2289 Class : 8 Packing group III

## SAFETY DATA SHEET

### Section 15. Regulatory Information

#### Safety, Health and Environmental Regulations

##### USA - Federal regulations

<b>TSCA Inventory</b>	All the components are listed on the TSCA inventory
CERCLA	No substance listed
<b>TSCA Listed substance</b>	
Nonyl phenol	Section 8b, section 8a -PAIR
Isophorone diamine	Section 8b
2, 4,6- Tri(dimethylaminomethyl) phenol	Section 8b

##### USA - State specific regulations

	California	Pennsylvania	New Jersey
Calcium carbonate	Yes	Yes	Yes
Isophorone diamine	No	No	Yes

##### CANADA

### Section 16. Other Information

**Date of preparation :** **May 6, 2018**

**Version :** **V0.51**

**Prepared by :** **PROMA ADHESIVES**

#### Other Information Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

#### Glossary

CAS	Chemical Abstracts Service.
GHS	Global ly Harmonized System of Classification and Labeling of Chemicals.
CLP	Classification, Labeling, Packaging.
ACGIH	American Conference of Governmental Industrial Hygienists.
DSL	Canadian Domestic Substances List.
NDSL	Canadian Non-Domestic Substances List.
EINECS	European Inventory of Existing Commercial Chemical Substances.
INCI	International Nomenclature of Cosmetic Ingredients.
NIOSH	National Institute for Occupational Safety and Health.
OSHA	Occupational Safety and Health Administration, US.
US EPA	US Environmental Protection Agency.
IATA	International Air Transport Association.
ICAO	International Civil Aviation Organisation.
IMDG	International Maritime Dangerous Goods Code.
US DOT	US Department of Transportation USA.
LC50	Lethal concentration that will kill 50 percent of the test animals within a specified time.
LD50	The dose required to produce the death in 50 percent of the exposed species within a specified time.
TWATLV	Threshold Limit Value for the time Average 8 hrs day. (ACGIH Standard).
STEL	Short Term Exposure Limit.
STOT	Specific Target Organ Toxicity.
NA	Not Available.