

## MATERIAL SAFETY DATA SHEET

### Dr. SEAL AS-480 PAINTABLE SEALANT

#### SECTION 1: IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1	Product Name	Acrylic Sealant
1.2	Part Number/Trade Name	AS-480
1.3	Chemical Classification	Acrylic dispersion
1.4	Dangerous Goods Classification	Not applicable
1.5	Distributor Name	Rich Innovation Marketing, Inc.
	Address	823 Zacateros St., Sta. Cruz Manila, Philippines
	Telephone:	733-3007; 733-7783 Fax: 736-4589

#### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

2.1	Chemical characterization:	: Mixture
2.2	Physical Form	: Liquid
2.3	Color	: White
2.4	Use	: Sealant
2.5	Hazardous Ingredients*:	

No.	CHEMICAL NAME	C.A.S No.	PROPRIETARY	%(w/w)
01	1,2 ETHANEDIOL (1-5%)	107211	No	5
02	FORMALDEHYDE (<-1%)	50000	No	1
03	NON-HARAZDOUS ACRYLIC POLYMER VENDOR (60-80%)	1001	No	80
04	1,2 ETHANEDIOL (1-5%)	7732185	No	60
05	1,2 ETHANEDIOL (1-5%)	14808607	No	0.5

No hazardous in gredients

#### SECTION3: HAZARDS IDENTIFICATION

3.1	Overall Hazard Classification:	Not hazardous
3.2	Hazard Information:	Not hazardous Avoid contact with skin and eyes.
3.3	Route of Exposure:	Skin Contact and Accidental Ingestion
3.4	Possible Health Effects:	
	Route of Entry: Skin	YES
	Route of Entry: Ingestion	YES
	Route of Entry: Inhalation	YES

**Health Hazards - Acute and Chronic**

Ingest: Irritation of the mouth, throat, and stomach ,may cause kidney damage. May be harmful if swallowed. May cause headache, dizziness, nausea, vomiting, gastrointestinal. Irritation and cns depression.

SKIN: May be absorbed through skin and produce effects as listed. Can cause irritation and reddening of the skin.

INHAL: Excessive inhalation causes headache, dizziness, nausea and in coordination. Avoid breathing any vapors or mist generated during the processing of this material, can irritate.

3.5 Signs and Symptoms of Overexposure: No significant effects from a single exposure expected from normal use.

**SECTION4: FIRST AID MEASURES**

- 4.1 Ingest: Do not induce vomiting. Get immediately medical attention, give 2-4 glasses of water.
- 4.2 Skin: Remove contaminated clothing and launder before reuse. Wash with soap and water. Get medical attention if irritation or symptoms develop. Flush skin with large amounts of water for at least 15 minutes.
- 4.3 Inhal: Remove victim from source of exposure. Get medial attention if irritation or symptoms develop. If not breathing begin artificial respiration, use barrier device. Because of chem properties do not use mouth- to- mouth contact .
- 4.4 Eyes: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.
- 4.5 Comments: Treat according to person's condition and specifics of exposure.
- 4.6 Note to physicians: Treat symptomatically. For further information, the medical practitioner should contact with the manufacturer.

**SECTION 5: FIRE FIGHTING MEASURES**

- 5.1 Flammability : Non-flammable.
- 5.2 Flash Point : >100°C(Closed Cup)
- 5.3 Autoignition temperature : Not determined.
- 5.4 Lower Explosion Limit : Not determined.
- 5.5 Upper Explosion Limit : Not determined.
- 5.6 Hazardous Properties : None.
- 5.7 Extinguishing Media : On large fires use dry chemical, foam or water spray.On small fires use carbon dioxide(CO2),dry chemical or water spray.Water can be used to cool fire exposed containers.
- 5.8 Special Fire Fighting : Determine the need to evacuate or isolate the area  
Procedures and according to your local emergency plan. Use water  
Equipment: : spray to keep fire exposed containers cool. Self-contained

breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

5.9 Hazardous Combustion Carbon oxides and traces of incompletely burned carbon  
Products: Compounds, Formaldehyde, Nitrogen oxides.

5.10 Unsuitable Extinguishing  
Media: None established.

## SECTION 6: ACCIDENTAL RELEASE MEASURE

6.1 Personal Precautions: Avoid eye contact. Do not take internally.

6.2 Environmental Do not allow large quantities to enter drains or surface  
Precautions: waters.

6.3 Methods for Determine whether to evacuate or isolate the area

Cleaning up: According to your local emergency plan. Observe all personal protective equipment recommendations described in this MSDS. Clean up remaining materials from spill with suitable absorbant. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of release. You will need to determine which laws and regulations are applicable.

## SECTION 7: HANDLING AND STORAGE

7.1 Handling Precautions: Use with adequate ventilation. Avoid eye contact. Do not  
take internally. Exercise good industrial hygiene practice. Wash  
after handling, especially before eating, drinking or smoking.

7.2 Storage Conditions: Use reasonable care and store away from oxidizing materials.

7.3 Unsuitable Packaging  
Materials: None established.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Industrial Hygiene Standards:

<u>Ingredients</u>	<u>CAS No.</u>	<u>Exposure Limits</u>
None known.		

8.2 Engineering Controls

Local Ventilation: None should be needed.  
General Ventilation: Recommended.

8.3 Personal Protective Equipment for Routine Handling.

Respiratory protection: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

Eye protection: Use proper protection-safety glasses as a minimum.

Hand protection: No special protection needed.  
 Skin protection: Washing at mealtime and end of shift is adequate.  
 Hygiene Measure: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

#### 8.4 Personal Protective Equipment for Spills

Respiratory protection: No respiratory protection should be needed.  
 Eye protection: Use proper protection-safety glasses as a minimum.  
 Skin protection: Washing at mealtime and end of shift is adequate.  
 Precautionary Measure: Avoid eye contact. Do not take internally. Use reasonable care.  
 Comments: If this product is heat to >150 degrees C, trace quantities of formaldehyde may be released, and adequate ventilation is required.  
 Hygiene Measure: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.  
 Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Form	: Liquid
9.2 Color	: White
9.3 Odor	: Clear solid with slight odor
9.4 pH	: 7.3-8.1
9.5 Solubility in Water	: Soluble
9.6 Boiling Point	: 100°C
9.7 Melting Point	: Not determined
9.8 Flash Point	: >100°C(Closed Cup)
9.9 Autoignition temperature	: Not determined
9.10 Explosive temperature	: Not determined
9.11 Oxidizing properties	: No.
9.12 Vapor Pressure@25°C	: No.
9.13 Specific Gravity	: 1.5
9.14 Octanol/water partition coefficient:	Not determined
9.15 Vapor Density (air-1)	Not determined
9.16 Viscosity:	200 mPa s
9.17 Molecular Weight:	Not determined

*The above information is not intended for use in preparing product specifications.*

## SECTION 10: STABILITY AND REACTIVITY

- 10.1 Stability: Stable.
- 10.2 Reactivity
- |                                     |  |
|-------------------------------------|--|
| Stability Conditions to Avoid       | None known   |
| Materials to Avoid                  | None known   |
| Hazardous Decomposition Products:   | Carbon oxides and traces of incompletely burned carbon compounds Formaldehyde. Nitrogen oxides |
| Hazardous Polymerization            | NO   |
| Polymerization Conditions to Avoid: | Will not occur.  |

## SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Possible Health Effects : Refer to Section 3.4
- 11.2 Sensitizing Effects : None known.
- 11.3 Mutagenic Effects : None known.
- 11.4 Reproductive Effects : None known.
- 11.5 Carcinogenic Effects : None known.
- 11.6 Other Health Hazard Information : No known applicable information.

*The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.*

## SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Environmental Fate and Distribution:  
Aqueous dispersion of a solid material which is insoluble in water. No adverse effects are predicted.
- 12.2 Environmental Effects:  
No adverse effects on aquatic organisms are predicted.  
Bioaccumulation: No bioaccumulation potential.
- 12.3 Fate and Effects in Water Treatment Plants:  
No adverse effects on bacteria are predicted.

## SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Product Disposal : Dispose of in accordance with local regulations.
- 13.2 Packaging Disposal : Dispose of in accordance with local regulations.