

**1. PRODUCT AND SUPPLIER INFORMATION**

Product Name: ND GRAFFITI SHIELD™ Water Based Sealer/Finish

MSDS Number: GS02

Product Number: NA

Product Synonyms: None

Chemical Family or Formula: Proprietary Blend of Water, Acrylics and Solvents

 Manufacturer: New Dimensions Solutions, LLC  
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**2. COMPOSITION AND INFORMATION ON INGREDIENTS**

CAS #	SARA 313	Material or Component	%	Exposure Limits			
				RQ#	TWA*	STEL*	WEEL*
Trade-Secret	No	Trade Secret	100%	None	NE	NE	A4

Trade-Secret is claimed in compliance with OSHA standards 29CFR part 1910.1200. No component is listed in "Threshold and Biological Exposure Indices for 2005" from ACGIH except as noted above. Components listed in Title III Sec. 313 (EPCRA) are indicated by "Yes" above. "NE" = Not Established \*TWA= Time Weighted Average; STEL= Short Term Exposure Limit; WEEL= Workplace Employee Exposure Level A1= "Confirmed Human Carcinogen; A2 = Suspected Human Carcinogen; A3 = Not Classifiable as a Human Carcinogen; A4 = Not Classifiable as a Human Carcinogen; A5 = Not Suspected as a Human carcinogen. BEI = indicates a Biological Exposure Limit exists for this material.

**3. HAZARDS IDENTIFICATION**
**Primary Routes of Exposure:** Inhalation, Eye Contact, Skin Contact.

**Immediate (Acute) Health Effects**
**Inhalation Toxicity:** Short term health effects are not expected.

**Eye Contact:** May cause minor eye irritation upon direct contact.

**Ingestion Irritation:** Not a likely source of exposure. This material might be considered slight health hazard if ingested in large quantities, causing irritation, nausea, vomiting and diarrhea.

**Skin Contact:** No irritation likely with brief contact.

**Acute Target Organ Toxicity:** No data.

**Prolonged (Chronic) Health Effects:** See Section 11, Toxicological Information

**Chemical Interactions:** Avoid contact with strong oxidizing agents.

**Medical Conditions Aggravated:** None found.

**Human Threshold Response Data**
**Odor Threshold:** Not established.

**Irritation Threshold:** Not established.

**Hazard Category Classifications and Ratings**

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference
Immediate	Yes	No	No	No	49 CFR 171.8, OSHA29 CFR 1910.1200 and
Delayed	No	No	No	No	SARA 302/311/312/313.

**HMIS Hazard Ratings: Health: 1 Fire: 0 Instability: 0 Other: B (Goggles, Gloves)**
**NFPA 704 Hazard Ratings: Health: 1 Flammability 0 Reactivity: 0 Special NA**
**Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4**

#### 4. FIRST AID

**Inhalation:** Remove individual to fresh air. If not breathing, give artificial respiration or oxygen as appropriate. Seek medical attention if breathing becomes difficult.

**Skin Contact:** Flush skin with water for 15 minutes and remove contaminated clothing. Wash clothing before reuse.

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart. See a physician if irritation persists.

**Ingestion:** If swallowed give 2 glasses of water to drink. Do NOT induce vomiting. Call a physician. Never give anything by mouth to an unconscious person.

#### 5. FIRE FIGHTING MEASURES

**Flammability Summary (OSHA):** Non Combustible liquid.

Auto-ignition Temperature: NA

Upper Flammable/Explosive Limit, % in air: NA

Lower Flammable/Explosive Limit, % in air: NA

**Unusual Hazards:** Material may splatter above 100C/212F. Dried product may burn.

**Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Special Procedures:** Move undamaged containers from fire area if it can be done without risk. Water spray may be used to cool closed containers exposed to heat and flame.

**Fire Fighting Instructions:** In case of fire, use normal fire fighting equipment including a NIOSH approved self-contained breathing apparatus (SCBA). Use water to cool containers.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Protection for Emergency Situations:** Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls and Personal Protection for recommendations. If exposed to material during clean-up, see SECTION 4, First Aid, for actions to follow.

**Spill Mitigation Procedures:** Keep spectators away. Spill area may be slippery. Use care to avoid falling. Eliminate the source of the spill. Ventilate the spill area. Contain the spill immediately with inert materials (e.g. sand, earth). Transfer spilled material to suitable containers for recovery or disposal. Keep spills and cleaning runoff out of municipal water. Discarded material is not a hazardous waste under RCRA (40 CFR 261.21), but may be regulated by other jurisdictions.

#### 7. HANDLING AND STORAGE

**Handling:** Do not open drums in unventilated areas. Avoid breathing concentrated vapors. Since empty containers retain product residue (vapors and/or liquid) follow all MSDS precautions even with empty containers. Wash hands with soap and water after handling. Remove contaminated clothing or shoes. Wash clothing before using again. Do not take internally.

**Storage:** Keep containers tightly closed. Store in a cool, dry, well ventilated area. Do not allow this product to freeze. The storage temperature range is 1C/34F to 60C/140F.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Ventilation:** None required where adequate ventilation conditions exists. A NIOSH approved (or equivalent) particulate/vapor respirator is advised in areas with poor ventilation, or if the product is sprayed.

**Protective Equipment for Routine Use of Product Where Appropriate:**

**Respiratory Protection:** See previous paragraph. Material should be handled or transferred with adequate ventilation.

**Respirator Type(s):** NIOSH approved with organic vapor cartridges with appropriate particulate filter may be permissible.

**Skin:** Use rubber or plastic gloves for direct contact. Discard gloves with tears, pinholes or wear. Long sleeved shirts and trousers are recommended when handling chemicals. Wash hands with soap and water after handling.

**Eyes:** Use safety glasses or chemical splash goggles (ANSI Z87.1 or approved equivalent). It is generally recognized that contact lenses should not be worn when working with chemicals because the contact lenses may contribute to the severity of an eye injury.

## 9. PHYSICAL DATA

Appearance: White emulsion liquid

Color: Milky white

Odor: Mild acrylic odor

pH (@ 25 Deg. C): 7.5 - 7.8

Octanol/Water Coeff: No data

Solubility in Water: Dilutable

Specific Gravity: 1 approx.

Vapor Density (Air = 1): < 1 Water

Vapor Pressure: 14 mm Hg @ 20C/68F Estimate

Evaporation Rate (Butyl acetate=1) < 1 Water

VOC (volatile organic compounds): 19.6 g/l (per California VOC Regulations)

Initial Boiling Point: 100°C/212F Estimate

Freezing Point: 0°C/34F Initial

## 10. STABILITY AND REACTIVITY

**Stability and Reactivity Summary:** This material is stable. However, avoid temperatures above 177C/350F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.

**Hazardous Decomposition:** Combustion of the polymer film will yield acrylic monomers, and normal combustion products including carbon dioxide and carbon monoxide. Avoid breathing smoke or fumes.

**Hazardous Polymerization:** Will not occur.

**Incompatibility:** This product is incompatible with strong oxidizing agents.

**Conditions to Avoid:** Very high or very low temperatures.

## 11. TOXICOLOGICAL INFORMATION

**Acute Data:** Not toxicity data are available for this material.

**Carcinogenicity Data:** Components of this material are not considered to be carcinogens by the National Toxicology Program, the International Agency for Research on Cancer or the OSHA.

## 12. ECOLOGICAL INFORMATION

**Ecological Toxicity Values:** Do not allow material to be released to the environment without proper governmental permits.

**Environmental fate:** No data

**Environmental toxicity:** No data

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Summary:** Product as made does not qualify as a hazardous waste under RCRA (40 CFR 261.21), but may be regulated by other jurisdictions. Discard in accordance with local and state regulations.

## 14. TRANSPORTATION INFORMATION

Not a hazardous material for transportation.

**US DOT Hazard Class:** NONREGULATED

## 15. REGULATORY INFORMATION

**Product related hazard information:**

**Hazard symbols:** Xi Irritant

**Risk phrases:** 36/37/38 Irritating to eyes, respiratory system and skin.

**Safety phrases:**

23 Do not breathe gas/fumes/vapor/spray.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if irritation persists.

36 Wear suitable protective clothing.

**National regulations:** All components of this product are listed or are excluded in the U.S. EPA TOSCA.

**CALIFORNIA PROPOSITION 65:** None

**SARA TITLE III:** None

## 16. ADDITIONAL INFORMATION

**MSDS REVISION STATUS:** (Prepared by MSDS Committee.)

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. WE BELIEVE THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF ITS PUBLICATION DATE, BUT MAKE NO WARRANTY THAT IT IS. IF THIS MSDS IS MORE THAN THREE YEARS OLD YOU SHOULD CONTACT THE SUPPLIER TO MAKE CERTAIN THAT THE INFORMATION IS CURRENT.

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-1998).

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