

Barn Roof Sealer™

Product Name (as used on Label and List)

Color: White

Revision Date: 02-25-2019



GHS Safety Data Sheets (SDS)

| SECTION 1 – IDENTIFICATION | |
|-----------------------------------|---|
| PRODUCT NAME | Barn Roof Sealer™ |
| OTHER MEANS OF IDENTIFICATION | BRS Color: White |
| END USE | Latex Paints & Coatings, Water Borne Dispersion |
| MANUFACTURER | Ames Research Laboratories, Inc. Salem, Oregon 97302 Corporate Office: 1891 16 th Street SE Salem, Oregon 97302-1436 (503) 588-3330 |
| EMERGENCY PHONE NUMBER | 1-888-345-0809 or Chemtrec 1-800-424-9300 |

| SECTION 2 – HAZARD IDENTIFICATION | |
|--|---|
| CLASSIFICATION | Acute Toxicity, Dermal – 5: Serious Eye Damage/Eye Irritation – 2B: Acute Toxicity, Inhalation – 5: |
| SIGNAL WORD | WARNING |
| HAZARD STATEMENT | May be harmful in contact with skin Causes eye irritation May be harmful if inhaled |
| HAZARD PICTOGRAMS | N.A. – No Symbol |
| PRECAUTIONARY STATEMENT(S) | Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapor/spray. Use only outdoors or in well-ventilated area. If hands or other body parts come in contact, wash thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical attention from a physician IF ON SKIN OR INHALED: Call a POISON CENTER or doctor/physician if you feel unwell. |
| HAZARDS NOT OTHERWISE CLASSIFIED | N.A. |

Barn Roof Sealer™

Product Name (as used on Label and List)

Color: White

Revision Date: 02-25-2019



GHS Safety Data Sheets (SDS)

| SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS | | |
|---|-------------|-------------|
| SUBSTANCE / MIXTURE | Mixture | |
| OTHER MEANS OF IDENTIFICATION | N. A. | |
| CAS # / IDENTIFIERS | | |
| INGREDIENT NAME | % BY WEIGHT | CAS NUMBER |
| Acrylic Polymer | 40 – 50 % | N/A Mixture |
| Limestone (Calcium Carbonate) | 10 – 20 % | 1317-65-3 |
| Titanium Dioxide | 1 – 10 % | 13463-67-7 |
| Propylene Glycol | 1 – 6% | 57-55-6 |

Any concentrations shown in a range are to protect trade secret confidentiality or is due to batch variation. There are no additional ingredients present, which within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

| SECTION 4 – FIRST AID MEASURES | |
|--|---|
| DESCRIPTION OF NECESSARY FIRST AID MEASURES | |
| EYE CONTACT | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical attention from a physician. |
| INHALATION | Slight ammonia odor. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. |
| SKIN CONTACT | Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. Flush skin after contact. May cause mild skin irritation. Protect with gloves. |
| INGESTION | N/A. Ingestion not a probable route of entry. |
| MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED | |
| EYE CONTACT | May cause eye irritation |
| INHALATION | May cause respiratory tract irritation |
| SKIN CONTACT | May cause skin irritation |
| INGESTION | N/A. Ingestion not a probable route of entry. |
| INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDS, IF NECESSARY | |
| EYE CONTACT | N/A |
| INHALATION | N/A |
| SKIN CONTACT | N/A |
| INGESTION | N/A. Ingestion not a probable route of entry. |

Barn Roof Sealer™

Product Name (as used on Label and List)

Color: White

Revision Date: 02-25-2019



GHS Safety Data Sheets (SDS)

| SECTION 5 – FIRE FIGHTING MEASURES | |
|---|--|
| EXTINGUISHING MEDIA: SUITABLE MEDIA | Foam CO2, Dry chemical, Water, Fog Foam |
| EXTINGUISHING MEDIA: UNSUITABLE MEDIA | N/A |
| SPECIFIC HAZARDS ARISING FROM THE CHEMICAL | None known. Some gases, hydrogen chloride, carbon monoxide. |
| SPECIAL PROTECTIVE ACTIONS FOR FIRE- FIGHTERS | Containers exposed to fire should be kept cool with water spray. Containers can build up pressure if exposed to heat (fire). |
| SPECIAL EQUIPMENT FOR FIRE-FIGHTERS | As in any fire, wear pressure-demand self-contained breathing apparatus (SCBA) (MSHA/NIOSH approved or equivalent) and full protective gear. |

| SECTION 6 – ACCIDENTAL RELEASE MEASURES | |
|--|---|
| PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES | |
| FOR NON-EMERGENCY PERSONNEL | Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| FOR EMERGENCY PERSONNEL | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel." |
| ENVIRONMENTAL PRECAUTIONS | Avoid runoff into storm sewers and ditches that lead to waterways. This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Consult your state or local authorities for proper disposal in the event that more restrictive requirements apply. |
| METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP | |
| LARGE SPILLS | Soak spills with sand or earth and remove. Repeat sorbent/sweep cycle until the spill is dried up. Collect and dispose according to local regulations. |
| SMALL SPILLS | Flush with water |

Barn Roof Sealer™

Product Name (as used on Label and List)

Color: White

Revision Date: 02-25-2019



GHS Safety Data Sheets (SDS)

| SECTION 7 – HANDLING AND STORAGE | |
|--|--|
| PRECAUTIONS FOR SAFE HANDLING | |
| PROTECTIVE MEASURES | Wear appropriate personal protective equipment. Use in well ventilated areas. Keep out of reach of children. Use ventilation to keep exposure to airborne contaminants below applicable exposure limits. |
| GENERAL HYGIENE | Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing vapors from heated material. |
| CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES | Keep container closed when not in use. Dries rapidly. PROTECT FROM FREEZING |

| SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION | | | | |
|---|--|-----------------------|----------------------|----------------|
| OCCUPATIONAL EXPOSURE LIMITS | | | | |
| | OSHA PEL 8-HR TWA | OSHA PEL STEL/Ceiling | ACGIH TLV-TWA | ACGIH TLV-STEL |
| Limestone | 15 mg/m ³ | N.E. | 10 mg/m ³ | N.E. |
| Titanium Dioxide | 15 mg/m ³ | N.E. | 10 mg/m ³ | N.E. |
| Propylene Glycol | N.E. | N.E. | N.E. | N.E. |
| CONTROLS | | | | |
| ENGINEERING CONTROLS | Local exhaust ventilation may be necessary to control any air contaminants to within their respective exposure limits during the use of this product. Contains low levels of ammonia for pH control. | | | |
| PERSONAL PROTECTIVE EQUIPMENT | Wear a NIOSH/MSHA approved respirator when the product is mixed or applied in poorly ventilated areas or if the workplace levels of ingredients exceed exposure limits. When contact is likely, wear chemical resistant gloves, chemical safety goggles with a face shield, and clean protective clothing to cover arms and legs at a minimum. | | | |

Barn Roof Sealer™

Product Name (as used on Label and List)

Color: White

Revision Date: 02-25-2019



GHS Safety Data Sheets (SDS)

| SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES | |
|--|---|
| APPEARANCE | |
| PHYSICAL STATE | Thick latex liquid. Contains acrylic latex. |
| COLOR | White |
| ODOR | Slight ammonia odor |
| ODOR THRESHOLD | N/A |
| pH | 9.5 – 10 |
| MELTING POINT | N/A |
| BOILING POINT | 212° F |
| FLASH POINT | N/D |
| EVAPORATION RATE | Similar to latex paint, water-based latex polymers. |
| FLAMMABILITY (SOLID, GAS) | N/A |
| UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS | N/A |
| VAPOR PRESSURE | N/A |
| VAPOR DENSITY | N/A |
| RELATIVE DENSITY | 1.13 – 1.2 |
| SOLUBILITY(IES) | Dilatable, miscible. |
| PARTITION COEFFICIENT: N-OCTANOL / WATER | N/A |
| AUTO-IGNITION TEMPERATURE | N/A |
| DECOMPOSITION TEMPERATURE | N/A |
| VISOCITY | 5500-6500 cps |

Barn Roof Sealer™

Product Name (as used on Label and List)

Color: White

Revision Date: 02-25-2019



GHS Safety Data Sheets (SDS)

| SECTION 10 – STABILITY AND REACTIVITY | |
|--|---|
| REACTIVITY | This product is not reactive under normal conditions |
| CHEMICAL STABILITY | This product is stable under normal storage conditions. |
| POSSIBILITY OF HAZARDOUS REACTION | Will not occur under normal conditions. |
| CONDITIONS TO AVOID | Long-term exposure to elevated temperatures. Long term exposure to elevated temperatures. |
| INCOMPATIBLE MATERIALS | Avoid contact with oxidizing materials. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Acrid fumes. Oxides of carbon. |

| SECTION 11 – TOXICOLOGICAL INFORMATION | |
|---|--|
| INFORMATION ON TOXICOLOGICAL EFFECTS | |
| ACUTE TOXICITY | May cause slight irritation to skin, eyes, throat and respiratory tract. |
| IRRITATION / CORROSION | May cause slight irritation to skin, eyes, throat and respiratory tract. |
| SENSITIZATION | N.A. |
| MUTAGENICITY | N.A. |
| CARCINOGENICITY | N.A. |
| REPRODUCTIVE TOXICITY | N.A. |
| TETRAOGENICITY | N.A. |
| SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) | N/A |
| SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) | N/A |
| ASPIRATION HAZARD | N/A |
| INFORMATION ON LIKELY ROUTES OF EXPOSURE | Inhalation and dermal are likely routes of exposure. |
| POTENTIAL ACUTE HEALTH EFFECTS | |
| EYE CONTACT | May cause slight irritation |
| INHALATION | May cause respiratory tract irritation |
| SKIN CONTACT | May cause irritation |
| INGESTION | Irritating to mouth, throat and stomach. |
| SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS | |
| EYE CONTACT | N/A |
| INHALATION | N/A |
| SKIN CONTACT | N/A |
| INGESTION | N/A |

Barn Roof Sealer™

Product Name (as used on Label and List)

Color: White

Revision Date: 02-25-2019



GHS Safety Data Sheets (SDS)

| DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE | | | |
|---|-----------------|--------------------|-----------------------|
| SHORT TERM EXPOSURE – POTENTIAL IMMEDIATE EFFECTS | | N/A | |
| SHORT TERM EXPOSURE – POTENTIAL DELAYED EFFECTS | | N/A | |
| LONG TERM EXPOSURE – POTENTIAL IMMEDIATE EFFECTS | | N/A | |
| LONG TERM EXPOSURE – POTENTIAL DELAYED EFFECTS | | N/A | |
| POTENTIAL CHRONIC HEALTH EFFECTS | | | |
| GENERAL | | N.A. | |
| CARCINOGENICITY | | N.A. | |
| MUTAGENICITY | | N.A. | |
| TERATOGENICITY | | N.A. | |
| DEVELOPMENTAL EFFECTS | | N.A. | |
| FERTILITY EFFECTS | | N.A. | |
| NUMERICAL MEASURES OF TOXICITY (ACUTE TOXICITY ESTIMATE) | | N.A. | |
| TOXICOLOGICAL DATA: | | | |
| INGREDIENT | ORAL RAT (LD50) | SKIN RABBIT (LD50) | INHALATION RAT (LC50) |
| Propylene Glycol | >20000 mg/kg | >10000 mg/kg | 6.15 mg/l |
| Limestone | >5000 mg/kg | N/A | N/A |
| Ethyl Hydroxyethyl Cellulose | >5000 mg/kg | N/A | N/A |
| Titanium Dioxide | 10000 mg/kg | N/A | N/A |

| SECTION 12 – ECOLOGICAL INFORMATION | |
|--|--|
| TOXICITY | Contains water-based acrylic. Relatively non-toxic to environment. |
| PERSISTENCE AND DEGRADABILITY | N/A |
| BIOACCUMULATIVE POTENTIAL | N/A |
| MOBILITY IN SOIL | N/A |
| OTHER ADVERSE EFFECTS | N/A |

Barn Roof Sealer™

Product Name (as used on Label and List)

Color: White

Revision Date: 02-25-2019



GHS Safety Data Sheets (SDS)

SECTION 13 – DISPOSAL CONSIDERATIONS

| | |
|-------------------------|---|
| DISPOSAL CONSIDERATIONS | Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures. |
|-------------------------|---|

SECTION 14 – TRANSPORTATION INFORMATION

| | | | | | |
|---|---|---|---|--|---|
| DOT PROPER SHIPPING NAME | | Not regulated | | | |
| | DOT Classification | TDG Classification | Mexico Classification | IMDG | IATA |
| UN NUMBER | Not regulated. | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| UN PROPER NAME | - | - | - | - | - |
| PACKING GROUP | - | - | - | - | - |
| TRANSPORT HAZARD CLASS(ES) | - | - | - | - | - |
| ENVIRONMENTAL HAZARDS | No. | No. | No. | No. | No. |
| ADDITIONAL INFORMATION | Special Provisions Not Applicable | Special Provisions Not Applicable | Special Provisions Not Applicable | Emergency Schedules (Ems) Not Applicable | Special Provisions Not Applicable |
| SPECIAL PRECAUTIONS FOR USERS: | Multi-modal shipping descriptions are provided for information purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for the mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations. | | | | |
| TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL II 73/78 AND THE IBC CODE | | N.A | | | |
| PROPER SHIPPING NAME | | N.A | | | |
| SHIP TYPE | | N.A | | | |
| POLLUTION CATEGORY | | N.A | | | |

Barn Roof Sealer™

Product Name (as used on Label and List)









Color: White

Revision Date: 02-25-2019



GHS Safety Data Sheets (SDS)

| SECTION 15 – REGULATORY INFORMATION | |
|-------------------------------------|---|
| U.S. FEDERAL REGULATION | |
| OSHA | Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200) |
| CERLA – SARA HAZARD CATEGORY | This product has been reviewed according to the EPA “Hazard Categories” promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following category: None. |
| SARA SECTION 313 | This product does not contain toxic chemical(s) at or above the de minimis concentrations subject to the reporting requirements of section 313 of Title III Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372. |
| TOXIC SUBSTANCES CONTROL ACT | This product meets the compositional requirements of the Toxic Substances Control Act and contains only chemical ingredients that are listed on the TOSCA inventory. |
| CALIFORNIA PROP. 65 | This product may contain chemical(s) known to the state of California to cause cancer and/or birth defects or other reproductive harm. |
| INTERNATIONAL REGULATIONS | |
| CANADIAN EPA | This product complies with Domestic Substance List of the Canadian Environmental Agency. |
| CANADIAN WHMIS CLASS | N/A |

| SECTION 16 – OTHER INFORMATION | | | | |
|---|-------------|-------------------|-----------------|--------------------------|
| HMIS RATINGS | HEALTH 1 | FLAMMABILITY 0 | REACTIVITY 0 | PERSONAL PROTECTION B |
| EUROPEAN PRECAUTIONARY PICTOGRAMS | | | | |
| General: | | | | |
|   | | | | |
| If spraying or in poorly ventilated area: | | | | |
|       | | | | |
| PREVIOUS SDS REVISION DATE | 05-15-2018 | | | |

Barn Roof Sealer™

Product Name (as used on Label and List)

Color: White

Revision Date: 02-25-2019



GHS Safety Data Sheets (SDS)

| | |
|------------------------------------|--|
| REASON FOR REVISION | N.A. |
| VOLATILE ORGANIC COMPOUNDS (VOC'S) | < 50 grams/liter |
| LEGEND | N.A. – Not Applicable, N.E. – Not Established, N.D. – Not Determined |
| ABBREVIATIONS USED | N/A – Information or data not available, NTP – National Toxicological Program, IARC – International Agency for Research on Cancer, NIOSH – National Institute of Occupational Safety and Health, PEL – Permissible Exposure Limit (8-hour TWA OSHA), TLV – Threshold Limit Value (8-Hour TWA ACGIH), STEL – Short Term Exposure Limit (15 min. TWA OSHA), C – Ceiling Value |
| NOTICE TO READER | <p>It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, expressed or implied, is given, the information presented here applies only to the product as shipped. The addition of a material can change the composition, hazards and risks of the product. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that their activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for the SDS's obtained from any other source.</p> <p>Note: This information must be included in all SDS that are copied and distributed for this material.</p> |

END OF SAFETY DATA SHEET