SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**Rain Safe Leak Repair**
Product Use Description:	Adhesive Sealant Coating
Restrictions on Use:	No specific uses advised against are identified.
Manufacturer:	NanoTech Materials, Inc. 21401 Park Row Drive #360 Katy, TX 77449
Email:	info@nanotechmaterials.com
Telephone:	1-(888) 296-6266
Emergency Telephone:	1-(888) 296-6266

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Physical hazards:	Not Classified
Health hazards:	Eye Irrit. 2A - H319, Skin Sens. 1 - H317, Muta. 2 - H341, Repr. 1B - H360, STOT RE 1 - H372

ATTENTION! Some of the additives disclosed in Section 3 such as Carbon Black and or Titanium Dioxide are regulated by California Proposition 65 as carcinogens when they are in the form of "airborne, unbound particles of respirable size." Since the disclosed materials are bound in the polymer matrix, they will not be available as an airborne hazard (dust, mist, or spray) under normal conditions of use. Therefore, this product does not present a respiration hazard as outlined by the Prop 65 regulations.

GHS Label Elements

Hazard Pictograms:



Signal Word: Danger

Hazard Statements:

- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H341 Suspected of causing genetic defects.
- H360 May damage fertility or the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe vapor/spray.
- P261 Avoid breathing vapor/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 If on skin: Wash with plenty of water.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 If exposed or concerned: Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P321 Specific treatment (see medical advice on this label).
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with national regulations.

Contains Proprietary Catalyst, Proprietary Adhesion Promoter

Other hazards: This product does not contain any substances classified as PBT or vPvB

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Ingredient	CAS Number	Weight %
Proprietary Polymer	Proprietary	30–60%
Limestone	1317-65-3	30–60%
Titanium Dioxide	13463-67-7	1–5%
Proprietary Dehydration Agent	Proprietary	1–5%
Proprietary Catalyst	22673-19-4	1–5%
Proprietary Adhesion Promoter	Proprietary	<1%

Exact concentrations and chemical identities of ingredients not listed above are either classified as non-hazardous or are withheld as a trade secret as covered by OSHA's Hazard Communication Standard, 29 CFR 1910.1200(i).

4. FIRST-AID MEASURES

Description of first aid measures

General information: Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.

Ingestion: Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.

Skin Contact: It is important to remove the substance from the skin immediately. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognized skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.

Eye contact:	Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
Protection of first aiders:	First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information:	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation:	Prolonged or repeated exposure may cause the following adverse effects: Suspected of causing cancer.
Ingestion:	May cause sensitization or allergic reactions in sensitive individuals. Prolonged or repeated exposure may cause the following adverse effects: Suspected of causing cancer.
Skin contact:	May cause skin sensitization or allergic reactions in sensitive individuals. Prolonged or repeated exposure may cause the following adverse effects: Suspected of causing cancer.
Eye contact:	Irritating to eyes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor:	Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media:	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards:	Containers can burst or explode when heated, due to excessive pressure build up.
Hazardous combustion products:	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

Advice for firefighters

Protective actions during firefighting:	Avoid breathing fire gases or vapors. Evacuate area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters:	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions:	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid contact with skin and eyes.

Environmental precautions

Environmental precautions:	Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

Methods and material for containment and cleaning up

Methods for cleaning up:	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.
Reference to other sections:	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Usage precautions:	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. Suspected of causing cancer. Suspected of causing genetic defects. May damage fertility. May damage the unborn child. Pregnant or breastfeeding women should not work with this product if there is any risk of exposure. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.
Advice on general occupational hygiene:	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage precautions:	Store away from incompatible materials (see Section 10). Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.
Storage class:	Miscellaneous hazardous material storage.

Specific end uses(s)

Specific end use(s):	The identified uses for this product are detailed in Section 1.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Occupational exposure limits

Proprietary Polymer:	• Long-term exposure limit (8-hour TWA): ACGIH 50 ppm • Long-term exposure limit (8-hour TWA): OSHA 500 ppm, 1800 mg/m³
Limestone:	• Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction • Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
Titanium Dioxide:	• Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³ • A4 = Not Classifiable as a Human Carcinogen • Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust
Proprietary Catalyst:	• Long-term exposure limit (8-hour TWA): ACGIH 0.1 mg/m³ • Short-term exposure limit (15-minute): ACGIH 0.2 mg/m³ • Long-term exposure limit (8-hour TWA): OSHA 0.1 mg/m³
	ACGIH = American Conference of Governmental Industrial Hygienists.
	OSHA = Occupational Safety and Health Administration.

Immediate danger to life and health (IDLH)

Proprietary Polymer:	1100 ppm
Titanium Dioxide (CAS: 13463-67-7):	5000 mg/m³

Exposure controls

Appropriate engineering controls:	Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.
Eye/face protection:	Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Hand protection:	Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection:	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures:	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection:	Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.
Environmental exposure controls:	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Paste
Odor:	Characteristic
Odor threshold:	Not applicable
pH:	Not applicable
Melting point:	Not applicable
Initial boiling point and range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	Not applicable
Vapor pressure:	Not applicable
Vapor density:	(Air=1) >1
Relative density:	Not applicable
Bulk density:	Not applicable
Solubility(ies):	Not applicable
Partition coefficient:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not applicable
Viscosity:	Contact the manufacturer

10. STABILITY AND REACTIVITY

Reactivity:	See the other subsections of this section for further details.
Stability:	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions:	No potentially hazardous reactions known.
Conditions to avoid:	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid:	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products:	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

11. TOXICOLOGICAL INFORMATION

Acute toxicity - oral

Notes (oral LD_{50}):	Based on available data the classification criteria are not met.
ATE oral (mg/kg):	33,557.05

Acute toxicity - dermal

Notes (dermal LD_{50}):	Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50}):	Based on available data the classification criteria are not met.
ATE inhalation (vapours mg/l):	615.9
Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory sensitization:	Based on available data the classification criteria are not met.
Skin sensitization:	May cause skin sensitization or allergic reactions in sensitive individuals.
Genotoxicity - in vitro:	Suspected of causing genetic defects.
Carcinogenicity:	Contains a substance which may cause cancer by inhalation.
IARC carcinogenicity:	Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.
Reproductive toxicity - fertility:	May damage fertility.
Reproductive toxicity - development:	May damage the unborn child.
STOT - single exposure:	Not classified as a specific target organ toxicant after a single exposure.
STOT - repeated exposure:	STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Based on available data the classification criteria are not met.
General information:	Avoid contact during pregnancy/while nursing. May damage fertility. May cause genetic defects. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation:	No specific symptoms known.
Ingestion:	May cause sensitization or allergic reactions in sensitive individuals.
Skin Contact:	May cause skin sensitization or allergic reactions in sensitive individuals.
Eye contact:	Irritating to eyes.
Route of exposure:	Ingestion, Inhalation, Skin and/or eye contact
Target Organs:	No specific target organs known.
Medical considerations:	Skin disorders and allergies.

12. ECOLOGICAL INFORMATION

Toxicity:	Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.
Persistence and degradability:	The degradability of the product is not known.
Bio-Accumulative Potential:	No data available on bioaccumulation.
Partition coefficient:	Not applicable.
Mobility in soil:	No data available.
Other adverse effects:	None known.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

General information:	The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.
Disposal methods:	Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

14. TRANSPORT INFORMATION

General: Not regulated.

15. REGULATORY INFORMATION

U.S. Federal Regulations

- **SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**
  None of the ingredients are listed or exempt.
- **CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**
  None of the ingredients are listed or exempt.
- **SARA Extremely Hazardous Substances EPCRA Reportable Quantities**
  None of the ingredients are listed or exempt.
- **SARA 313 Emission Reporting**
  None of the ingredients are listed or exempt.
- **CAA Accidental Release Prevention**
  None of the ingredients are listed or exempt.
- **FDA - Essential Chemical**
  None of the ingredients are listed or exempt.
- **FDA - Precursor Chemical**
  None of the ingredients are listed or exempt.
- **SARA (311/312) Hazard Categories**
  None of the ingredients are listed or exempt.
- **OSHA Highly Hazardous Chemicals**
  None of the ingredients are listed or exempt.

U.S. State Regulations

- **Massachusetts “Right To Know” List**
  The following ingredients are listed or exempt: Limestone, Titanium Dioxide
- **Rhode Island “Right To Know” List**
  The following ingredients are listed or exempt: Limestone, Titanium Dioxide
- **Minnesota “Right To Know” List**
  The following ingredients are listed or exempt: Limestone, Titanium Dioxide
- **New Jersey “Right To Know” List**
  The following ingredients are listed or exempt: Limestone, Titanium Dioxide
- **Pennsylvania “Right To Know” List**
  The following ingredients are listed or exempt: Limestone, Titanium Dioxide

16. OTHER INFORMATION

Classification abbreviations and acronyms

Carc.	Carcinogenicity
Eye Irrit.	Eye irritation
Muta.	Germ cell mutagenicity
Repr.	Reproductive toxicity
Skin Sens.	Skin sensitisation
STOT RE	Specific target organ toxicity-repeated exposure
Aquatic Chronic	Hazardous to the aquatic environment (chronic)

Hazard statements in full

H317:	May cause an allergic skin reaction.
H319:	Causes serious eye irritation.
H341:	Suspected of causing genetic defects.
H360:	May damage fertility or the unborn child.
H372:	Causes damage to organs through prolonged or repeated exposure.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.