NXT® Vapor Reduction Coating Part A
Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Date of Issue: 04/05/2018
Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Form: Mixture
Product Name: NXT® Vapor Reduction Coating Part A

1.2. Intended Use of the Product
Use of the Substance/Mixture: Vapor Reduction Membrane. For professional use only

1.3. Name, Address, and Telephone of the Responsible Party
Company
LATICRETE International
1 Laticrete Park, N
Bethany, CT 06524
T (203)-393-0010
www.laticrete.com

1.4. Emergency Telephone Number
Emergency Number : For Chemical Emergency Call ChemTel day or night
Within USA and Canada: 1.800.255.3924
Mexico: 1.800.099.0731
Outside USA and Canada: 1.813.248.0585 (collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
GHS-US Classification
Skin Corr. 1B H314
Eye Dam. 1 H318
Skin Sens. 1 H317
Repr. 2 H361
Aquatic Acute 3 H402
Aquatic Chronic 1 H410
Full text of hazard classes and H-statements : see section 16

2.2. Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US) :

Signal Word (GHS-US) : Danger
Hazard Statements (GHS-US) :
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H361 - Suspected of damaging fertility or the unborn child.
H402 - Harmful to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P301+P330+P31 - If swallowed: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes.

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Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P310 - Immediately call a poison center or doctor.
P321 - Specific treatment (see section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards
Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
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<tbody>
<tr>
<td>2-Propenenitrile, reaction products with ethylenediamine, hydrogenated, reaction products with benzaldehyde, diethylenetriamine and triethylenetetramine, hydrogenated</td>
<td>(CAS-No.) 1173092-74-4</td>
<td>18 - 74</td>
<td>Skin Corr. 1B, H314, Eye Dam. 1, H318, Skin Sens. 1, H317, Acute Tox. 4 (Oral), H302, Acute Tox. 4 (Dermal), H312, Acute Tox. 4 (Inhalation: dust, mist), H332, Skin Corr. 1B, H314, Eye Dam. 1, H318, Skin Sens. 1B, H317, Aquatic Acute 3, H402</td>
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<tr>
<td>1,3-Benzenedimethanamine</td>
<td>(CAS-No.) 1477-55-0</td>
<td>&lt; 8.75</td>
<td></td>
</tr>
<tr>
<td>4-tert-Butylphenol</td>
<td>(CAS-No.) 98-54-4</td>
<td>&lt; 7.5</td>
<td>Skin Irrit. 2, H315, Eye Dam. 1, H318, Repr. 2, H361, Aquatic Acute 2, H401, Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>1,6-Hexanediame, 2,2,4-trimethyl-</td>
<td>(CAS-No.) 3236-53-1</td>
<td>&lt; 2.5</td>
<td>Acute Tox. 4 (Oral), H302, Skin Corr. 1A, H314, Eye Dam. 1, H318, Skin Sens. 1, H317, Aquatic Chronic 3, H412</td>
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<tr>
<td>Urea, N,N'-bis[3-(dimethylamino)propyl]-</td>
<td>(CAS-No.) 52338-87-1</td>
<td>&lt; 2.5</td>
<td>Skin Irrit. 2, H315, Eye Irrit. 2A, H319</td>
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</tbody>
</table>

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200]. Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

First-aid Measures After Skin Contact: Immediately remove contaminated clothing. Immediately flush skin with plenty of water for at least 30 minutes. Get immediate medical advice/attention.

First-aid Measures After Eye Contact: Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. **Most Important Symptoms and Effects Both Acute and Delayed**

**Symptoms/Injuries:** Causes severe skin burns and eye damage. Skin sensitization. Suspected of damaging fertility or the unborn child.

**Symptoms/Injuries After Inhalation:** May be corrosive to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** Causes severe irritation which will progress to chemical burns. May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

**Chronic Symptoms:** Suspected of damaging fertility or the unborn child.

4.3. **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

### SECTION 5: FIRE-FIGHTING MEASURES

5.1. **Extinguishing Media**

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

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

5.3. **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.


**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

6.1.1. **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

6.1.2. **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. **Environmental Precautions**

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. **Methods and Materials for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Cautiously neutralize spilled liquid. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. **Reference to Other Sections**

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

### SECTION 7: HANDLING AND STORAGE

7.1. **Precautions for Safe Handling**

**Additional Hazards When Processed:** Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. May release corrosive vapors.

**Precautions for Safe Handling:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors, mist, spray. Do not get in eyes, on skin, or on clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle empty containers with care because they may still present a hazard.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in original container or corrosive resistant and/or lined container.


7.3. Specific End Use(s)

Vapor Reduction Membrane. For professional use only

SECTION 8: EXPOSITION CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

<table>
<thead>
<tr>
<th>1,3-Benzenedimethanamine (1477-55-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
</tr>
<tr>
<td>USA ACGIH</td>
</tr>
<tr>
<td>USA NIOSH</td>
</tr>
</tbody>
</table>

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.


Materials for Protective Clothing: Chemically resistant materials and fabrics. Corrosion-proof clothing.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles and face shield.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

| Physical State | Liquid |
| Appearance | Yellow |
| Odor | Ammoniacal |
| Odor Threshold | No data available |
| pH | No data available |
| Evaporation Rate | No data available |
| Melting Point | No data available |
| Freezing Point | No data available |
| Boiling Point | No data available |
| Flash Point | > 212 °F (100 °C) |
| Auto-ignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Flammability (solid, gas) | Not applicable |
| Vapor Pressure | No data available |
| Relative Vapor Density at 20°C | No data available |
| Relative Density | No data available |
| Specific Gravity | 1.04 |
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Solubility: Soluble in water
Partition Coefficient: N-Octanol/Water: No data available
Viscosity: 680 cP

9.2. Other Information: No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.


SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified

4-tert-Butylphenol (98-54-4)
- LD50 Oral Rat: 4000 mg/kg
- LD50 Dermal Rabbit: 2318 mg/kg

1,3-Benzenedimethanamine (1477-55-0)
- LD50 Oral Rat: 1090 mg/kg (Species: Wistar)
- LD50 Dermal Rabbit: 2 g/kg
- LC50 Inhalation Rat: 350 ppm/4h
- LC50 Inhalation Rat: 1.34 mg/l/4h (Species: Wistar)

1,6-Hexanediamine, 2,2,4-trimethyl- (3236-53-1)
- ATE (Oral): 500.00 mg/kg body weight

Skin Corrosion/Irritation: Causes severe skin burns and eye damage.
Serious Eye Damage/Irritation: Causes serious eye damage.
Respiratory or Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May be corrosive to the respiratory tract.
Symptoms/Injuries After Skin Contact: Causes severe irritation which will progress to chemical burns. May cause an allergic skin reaction.
Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/Injuries After Ingestion: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
Chronic Symptoms: Suspected of damaging fertility or the unborn child.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology - General: Harmful to aquatic life. Very toxic to aquatic life with long lasting effects.

4-tert-Butylphenol (98-54-4)
- LC50 Fish 1: 4.71 - 5.62 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
- EC50 Daphnia 1: 3.9 mg/l (Exposure time: 48 h - Species: Daphnia magna)
- LC50 Fish 2: 6.9 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [static])
- EC50 Daphnia 2: 3.4 - 4.5 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
- NOEC Chronic Fish: 0.1 mg/l (Species: Pimephales promelas)
- NOEC Chronic Algae: 0.32 mg/l

1,3-Benzenedimethanamine (1477-55-0)
- LC50 Fish 1: 75 mg/l
- EC50 Daphnia 1: 15 mg/l
- NOEC Chronic Crustacea: 4.7 mg/l

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12.2. Persistence and Degradability

<table>
<thead>
<tr>
<th>NXT® Vapor Reduction Coating Part A</th>
<th>Persistence and Degradability</th>
<th>May cause long-term adverse effects in the environment.</th>
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</thead>
</table>

12.3. Bioaccumulative Potential

<table>
<thead>
<tr>
<th>NXT® Vapor Reduction Coating Part A</th>
<th>Bioaccumulative Potential</th>
<th>Not established.</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-tert-Butylphenol (98-54-4)</td>
<td>BCF Fish 1</td>
<td>34 - 240</td>
</tr>
<tr>
<td>Log Pow</td>
<td>2.44</td>
<td></td>
</tr>
</tbody>
</table>

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (2-Propenenitrile, reaction products with ethylenediamine, hydrogenated, reaction products with benzaldehyde, diethylenetriamine and triethylenetetramine, hydrogenated)

Hazard Class: 8
Identification Number: UN2735
Label Codes: 8
Packing Group: II
Marine Pollutant: Marine pollutant
ERG Number: 153

14.2. In Accordance with IMDG

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (2-Propenenitrile, reaction products with ethylenediamine, hydrogenated, reaction products with benzaldehyde, diethylenetriamine and triethylenetetramine, hydrogenated)

Hazard Class: 8
Identification Number: UN2735
Label Codes: 8
Packing Group: II
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-B
Marine Pollutant: Marine pollutant

14.3. In Accordance with IATA

Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (2-Propenenitrile, reaction products with ethylenediamine, hydrogenated, reaction products with benzaldehyde, diethylenetriamine and triethylenetetramine, hydrogenated)

Packing Group: II
Identification Number: UN2735
Hazard Class: 8
Label Codes: 8
ERG Code (IATA): 8L
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SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

NXT® Vapor Reduction Coating Part A

| SARA Section 311/312 Hazard Classes | Health hazard - Reproductive toxicity
| Health hazard - Respiratory or skin sensitization
| Health hazard - Serious eye damage or eye irritation
| Health hazard - Skin corrosion or Irritation

Urea, N,N'-bis[3-(dimethylamino)propyl]- (52338-87-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

4-tert-Butylphenol (98-54-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

1,3-Benzenedimethanamine (1477-55-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

1,6-Hexanediamine, 2,2,4-trimethyl- (3236-53-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State Regulations

1,3-Benzenedimethanamine (1477-55-0)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 04/05/2018
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases:

| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Aquatic Acute 2 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Acute 3 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment - Chronic Hazard Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment - Chronic Hazard Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Repr. 2 | Reproductive toxicity Category 2 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization, Category 1 |
| Skin Sens. 1B | Skin sensitization, category 1B |
| H302 | Harmful if swallowed |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H322 | Harmful if inhaled |
| H361 | Suspected of damaging fertility or the unborn child |
| H401 | Toxic to aquatic life |
| H402 | Harmful to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
The information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)