

NawTone+Plus

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations According To The Hazardous Products Regulation (February 11, 2015).
Revision Date: 04/11/2018 Date of Issue: 04/11/2018 Version: 1.1

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Form: Mixture

Product Name: NawTone+Plus

1.2. Intended Use of the Product

Decorative coating for concrete and masonry surfaces. Contains water repellent.

1.3. Name, Address, and Telephone of the Responsible Party

Company

USA: Nawkaw Corporation

CANADA: Nawkaw Corporation

380 Commerce Blvd

2283 Argentia Road #23

Athens, GA 30606 USA

Mississauga, ON, Canada L5N 5Z2

706.355.3217

905.542.7893

www.nawkaw.com

1.4. Emergency Telephone Number

Emergency Number : CHEMTREC +1 703-741-5970 / 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Not classified

2.2. Label Elements

GHS-US/CA Labeling

No labeling applicable

2.3. Other Hazards

Observe the general safety precautions when handling chemicals.

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. If the product is dried, avoid generating dust. This product contains quartz, which is carcinogenic when in inhalable fractions. Under normal and proper conditions of use, exposure to dust is not expected to occur. If the product is dried and further processed through grinding, sawing, sanding, or other abrasive processes, the dust generated could be hazardous to human health.

HMIS: Health: 1 Flammability: 0 Reactivity: 0

NFPA: Health: 1 Flammability: 0 Reactivity: 0

2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2. Mixture

| Name | Product Identifier | % * |
|-------------------------------------|-----------------------------|-------------|
| Amorphous calcium aluminosilicate** | (CAS-No.) 65997-17-3 | 18-20 |
| Acrylic polymer(s) | Not hazardous, trade secret | >10 |
| 1,2-Propanediol | (CAS-No.) 57-55-6 | 1-3 |
| Ammonia | (CAS-No.) 7664-41-7 | 0.02-0.2 |
| Quartz*** | (CAS-No.) 14808-60-7 | 0.01 - 0.14 |

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

** The free oxides are bound within the fused silicate, and not available for exposure. The Carc. 2 classification does not apply to the product overall.

***The inhalable fraction of Quartz has been measured at < .0139% w/w for the mixture. The Carc. 1A classification does not apply to the product overall.

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SECTION 4: FIRST AID MEASURES

4.1. Description of 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).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Rinse affected area with water for at least 5 minutes, wash with soap or mild detergent, do not use solvents and thinners. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: May cause an allergic skin reaction.

Eye Contact: May cause slight irritation to eyes.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use. If further abrasive processing occurs and dust is generated, repeated exposure through inhalation of quartz and/or glass oxide may cause cancer and/or lung disease.

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: Water spray, dry chemical, foam, carbon dioxide. Alcohol-resistant foam.

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: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

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

Firefighting Instructions: Remove containers from fire area if this can be done without risk. Use water spray or fog for cooling exposed containers. Do not breathe fumes from fires or vapors from decomposition.

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

Hazardous Combustion Products: Thermal decomposition generates: Carbon oxides, nitrogen oxides. May emit acrid smoke.

Additional information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray). Ensure adequate ventilation. Risk of slipping due to leakage/spillage of product.

For Non-Emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area. 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.

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6.2. Environmental Precautions

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

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.

Methods for Cleaning Up: Ventilate area. Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Clean contaminated surface thoroughly with water. Avoid generation of dust.

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: Abrasive processing of this product once dried, may release respirable crystalline silica or glass oxides. Use all appropriate measures of dust control or suppression and Personal Protective Equipment (PPE) described in Section 8.

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not get in eyes, on skin, or on clothing. Do not breathe vapors, mist, spray, dust. Use appropriate personal protective equipment (PPE).

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash contaminated clothing before reuse.

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 and well-ventilated place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Containers which are opened should be properly resealed and kept upright to prevent leakage. Protect from freezing.

Incompatible Materials: Strong acids, water reactive materials.

SECTION 8: EXPOSURE 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), OSHA (PEL), Canadian provincial governments, or the Mexican government.

| 1,2-Propanediol (57-55-6) | | |
|---------------------------|--------------------------------------|---|
| USA AIHA | WEEL TWA (mg/m ³) | 10 mg/m ³ |
| Ontario | OEL TWA (mg/m ³) | 10 mg/m ³ (for assessing the visibility in a work environment where 1,2-Propylene glycol aerosol is present-aerosol only) 155 mg/m ³ (aerosol and vapor) |
| Ontario | OEL TWA (ppm) | 50 ppm (aerosol and vapor) |
| Quartz (14808-60-7) | | |
| Mexico | OEL TWA (mg/m ³) | 0.1 mg/m ³ (respirable fraction) |
| USA ACGIH | ACGIH TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate matter) |
| USA ACGIH | ACGIH chemical category | A2 - Suspected Human Carcinogen |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 50 µg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 0.05 mg/m ³ (respirable dust) |
| USA IDLH | US IDLH (mg/m ³) | 50 mg/m ³ (respirable dust) |
| Alberta | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate) |
| British Columbia | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable) |
| Manitoba | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate matter) |
| New Brunswick | OEL TWA (mg/m ³) | 0.1 mg/m ³ (respirable fraction) |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate matter) |
| Nova Scotia | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate matter) |
| Nunavut | OEL TWA (mg/m ³) | 0.05 mg/m ³ (respirable fraction) |
| Northwest Territories | OEL TWA (mg/m ³) | 0.05 mg/m ³ (respirable fraction) |
| Ontario | OEL TWA (mg/m ³) | 0.1 mg/m ³ (designated substances regulation-respirable) |
| Prince Edward Island | OEL TWA (mg/m ³) | 0.025 mg/m ³ (respirable particulate matter) |

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| | | |
|----------------------------|---------------------------------------|--|
| Québec | VEMP (mg/m ³) | 0.1 mg/m ³ (respirable dust) |
| Saskatchewan | OEL TWA (mg/m ³) | 0.05 mg/m ³ (respirable fraction) |
| Yukon | OEL TWA (mg/m ³) | 300 particle/mL |
| Ammonia (7664-41-7) | | |
| Mexico | OEL TWA (mg/m ³) | 18 mg/m ³ |
| Mexico | OEL TWA (ppm) | 25 ppm |
| Mexico | OEL STEL (mg/m ³) | 27 mg/m ³ |
| Mexico | OEL STEL (ppm) | 35 ppm |
| USA ACGIH | ACGIH TWA (ppm) | 25 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 35 ppm |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 35 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 50 ppm |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 18 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 25 ppm |
| USA NIOSH | NIOSH REL (STEL) (mg/m ³) | 27 mg/m ³ |
| USA NIOSH | NIOSH REL (STEL) (ppm) | 35 ppm |
| USA IDLH | US IDLH (ppm) | 300 ppm |
| Alberta | OEL STEL (mg/m ³) | 24 mg/m ³ |
| Alberta | OEL STEL (ppm) | 35 ppm |
| Alberta | OEL TWA (mg/m ³) | 17 mg/m ³ |
| Alberta | OEL TWA (ppm) | 25 ppm |
| British Columbia | OEL STEL (ppm) | 35 ppm |
| British Columbia | OEL TWA (ppm) | 25 ppm |
| Manitoba | OEL STEL (ppm) | 35 ppm |
| Manitoba | OEL TWA (ppm) | 25 ppm |
| New Brunswick | OEL STEL (mg/m ³) | 24 mg/m ³ |
| New Brunswick | OEL STEL (ppm) | 35 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 17 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 25 ppm |
| Newfoundland & Labrador | OEL STEL (ppm) | 35 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 25 ppm |
| Nova Scotia | OEL STEL (ppm) | 35 ppm |
| Nova Scotia | OEL TWA (ppm) | 25 ppm |
| Nunavut | OEL STEL (ppm) | 35 ppm |
| Nunavut | OEL TWA (ppm) | 25 ppm |
| Northwest Territories | OEL STEL (ppm) | 35 ppm |
| Northwest Territories | OEL TWA (ppm) | 25 ppm |
| Ontario | OEL STEL (ppm) | 35 ppm |
| Ontario | OEL TWA (ppm) | 25 ppm |
| Prince Edward Island | OEL STEL (ppm) | 35 ppm |
| Prince Edward Island | OEL TWA (ppm) | 25 ppm |
| Québec | VECD (mg/m ³) | 24 mg/m ³ |
| Québec | VECD (ppm) | 35 ppm |
| Québec | VEMP (mg/m ³) | 17 mg/m ³ |
| Québec | VEMP (ppm) | 25 ppm |
| Saskatchewan | OEL STEL (ppm) | 35 ppm |
| Saskatchewan | OEL TWA (ppm) | 25 ppm |
| Yukon | OEL STEL (mg/m ³) | 30 mg/m ³ |
| Yukon | OEL STEL (ppm) | 40 ppm |
| Yukon | OEL TWA (mg/m ³) | 18 mg/m ³ |
| Yukon | OEL TWA (ppm) | 25 ppm |

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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.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Environmental Exposure Controls: Avoid release to the environment.

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 | : White Liquid |
| Odor | : Slight |
| Odor Threshold | : Not available |
| pH | : 8.5 - 9.5 |
| Evaporation Rate | : Not available |
| Melting Point | : Not available |
| Freezing Point | : ~ 0 °C (32°F) |
| Boiling Point | : ~ 100 °C (212°F) |
| Flash Point | : > 200 °C (> 392 °F) |
| Auto-ignition Temperature | : Not self-igniting |
| Decomposition Temperature | : Not available |
| Flammability (solid, gas) | : Not available |
| Lower Flammable Limit | : Not available |
| Upper Flammable Limit | : Not available |
| Vapor Pressure | : Not available |
| Relative Vapor Density at 20°C | : Not available |
| Relative Density | : 1.173 |
| Specific Gravity | : Not available |
| Solubility | : 100% in water |
| Partition Coefficient: N-Octanol/Water | : Not available |
| Viscosity | : 84 - 88 KU |

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Hazardous reactions will not occur under normal conditions.

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. Avoid creating or spreading dust.

10.5. Incompatible Materials: Strong acids, water reactive materials.

10.6. Hazardous Decomposition Products: None expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Not classified

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LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Not classified

pH: 8.5 - 9.5

Eye Damage/Irritation: Not classified. May cause mechanical irritation.

pH: 8.5 - 9.5

Respiratory or Skin Sensitization: Not classified. May skin irritation.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified.

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Chronic Symptoms: None expected under normal conditions of use. If further abrasive processing occurs and dust is generated, repeated exposure through inhalation of quartz and/or glass oxide may cause cancer and/or lung disease.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

| 1,2-Propanediol (57-55-6) | |
|---------------------------|----------------------------------|
| LD50 Oral Rat | 20 g/kg |
| LD50 Dermal Rabbit | 20800 mg/kg |
| Quartz (14808-60-7) | |
| LD50 Oral Rat | > 5000 mg/kg |
| LD50 Dermal Rat | > 5000 mg/kg |
| Ammonia (7664-41-7) | |
| LD50 Oral Rat | 350 mg/kg |
| LC50 Inhalation Rat | 5.1 mg/l (Exposure time: 1 h) |
| LC50 Inhalation Rat | 2000 ppm/4h (Exposure time: 4 h) |

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Not classified.

| 1,2-Propanediol (57-55-6) | |
|---------------------------|--|
| LC50 Fish 1 | 51600 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 Daphnia 1 | 10000 mg/l (Exposure time: 24 h - Species: Daphnia magna) |
| LC50 Fish 2 | 41 - 47 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| EC50 Daphnia 2 | 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |
| Ammonia (7664-41-7) | |
| LC50 Fish 1 | 0.44 mg/l (Exposure time: 96 h - Species: Cyprinus carpio) |
| EC50 Daphnia 1 | 25.4 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 Fish 2 | 0.26 - 4.6 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |

12.2. Persistence and Degradability

| NawTone+Plus | |
|-------------------------------|------------------|
| Persistence and Degradability | Not established. |

12.3. Bioaccumulative Potential

| NawTone+Plus | |
|---------------------------|------------------|
| Bioaccumulative Potential | Not established. |
| 1,2-Propanediol (57-55-6) | |
| BCF Fish 1 | < 1 |
| Log Pow | -0.92 |
| Ammonia (7664-41-7) | |
| Log Pow | -1.14 (at 25 °C) |

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12.4. Mobility in Soil Not 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, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid release to the environment.

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 Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

All of the components are listed on the United States TSCA (Toxic Substances Control Act) inventory.

15.2. US State Regulations

U.S. - California - Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains no chemicals known to the State of California to cause cancer or birth defects.

1,2-Propanediol (57-55-6)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

Quartz (14808-60-7)

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

Ammonia (7664-41-7)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

U.S. - Pennsylvania - RTK (Right to Know) List

15.3. Canadian Regulations

All of the components are listed on the Canadian DSL (Domestic Substances List).

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

Date of Preparation or Latest Revision : 04/11/2018

Other information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR).

Hazardous Materials Information Label (HMIS)

Health : 1

Flammability : 0

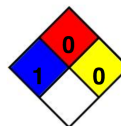
Physical Hazard : 0

National Fire Protection Association Hazard Ratings

Health : 1

Flammability : 0

Reactivity : 0



This 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.