

Issue Date 18-Oct-2019

Revision Date: 23-June-2020

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Zap-Ox

Other means of identification

SDS # Zap-Ox

Recommended use of the chemical and restrictions on use

Recommended Use Crème Cleanser

Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Supplier Address

Nanoplas, Inc.
2950 Prairie St., SW, Suite 900
Grandville, MI 49418

Emergency Telephone Number

Company Phone Number

616-452-3707

Emergency Telephone (24 hr)

Call INFOTRAC, within USA, Mexico and Canada: 800-535-5053 ID# 102222

Outside USA, Mexico and Canada: 1-352-323-3500 ID# 102222

2. HAZARDS IDENTIFICATION

Classification

Classification of this mixture in accordance with paragraph (d) of §1910.1200

| | | |
|---------------------------|------------|------|
| Skin Corrosion/Irritation | Category 2 | H315 |
| Eye damage/irritation | Category 1 | H318 |
| Acute toxicity (Oral) | Category 4 | H302 |

Label elements

Signal word DANGER

Hazard statements

Harmful if swallowed. Causes skin irritation. Causes serious eye damage.



Appearance White Slurry

Physical State Slurry

Odor Mint Scent

Emergency Overview**Precautionary Statements - Prevention**

Wash hands, face and any skin contact thoroughly after handling. Wear protective gloves/eye protection/ face protection. Do not eat, drink or smoke when using this product.

Precautionary Statements - Response

If on skin: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation persists: Get medical attention/advice. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. If swallowed: Rinse mouth. Call a poison center/doctor if you feel unwell.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Precautionary Statements - Storage

Store according to local rules and regulations.

Hazards not otherwise classified (HNOC)

None known.

Other Information

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight% |
|--------------------------|-------------------------------------|---------|
| Silica | 14808-60-7, EINECS/ELINCS 238-874-4 | 35-40 |
| C9-11 Alcohol ethoxylate | 68439-46-3, EINECS/ELINCS N/A | 5-10 |
| Sulfonic acid | 27176-87-0, EINECS/ELINCS 248-289-4 | 5-10 |
| Water | 7732-18-5, EINECS/ELINCS 231-791-2 | >50 |

The exact percentage (concentration) of composition has been withheld as a trade secret.
Chemical characterization: Mixture of water, silica, detergents, and auxiliary agents.

4. FIRST-AID MEASURES**First Aid Measures**

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|-----------------------------------|--|
| Eye Contact | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice. |
| Skin Contact | Remove contaminated clothing and wash before reuse. Wash contaminated area with soap and water for 15-20 minutes. If skin irritation persists get medical advice/attention. |
| Inhalation | Move person to fresh air. If respiratory irritation or dizziness occurs, seek immediate medical assistance. |
| Ingestion | Call a poison center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. If vomiting occurs, keep head below hips to reduce risk of aspiration. |
| Protection of First-aiders | Use personal protective equipment. Avoid contact with skin, eyes and clothing. |

Most important symptoms and effects

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| Symptoms | Burning or irritation of affected areas. Causes skin irritation and serious eye damage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. See Section 11 for more detailed information on health effects and symptoms. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

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| Notes to Physician | Treat exposed patients symptomatically. |
|---------------------------|---|

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Not applicable. Product is not a fire hazard.

Unsuitable Extinguishing Media High pressure water jet.

Specific Hazards Arising from the Chemical

None known

Protective equipment and precautions for firefighters

Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

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| Personal Precautions | Depending on the extent of release, consider the need for restriction of access to spill area. Do not eat, drink, or smoke during clean up. Wear protective clothing, eye protection and impervious gloves (e.g. neoprene). Wash thoroughly after clean up. |
| Environmental Precautions | Prevent spills from entering storm sewers/drains or contact with soil. |

Methods and material for containment and cleaning up

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| Methods for Clean-Up | Small spills may be wiped up and rinsed with water. For larger spills, contain spill with inert material (sand, clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water. |
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7. HANDLING AND STORAGE**Precautions for safe handling**

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| Advice on Safe Handling | Read label before use. Avoid contact with skin or eyes. Wear protective gloves, eye protection, face protection. Use only according to label directions. If unsure about safe use, contact your supervisor. Do not eat, drink or smoke while using this product. Wash hands, face and any skin contact thoroughly after handling. |
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Conditions for safe storage, including any incompatibilities

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| Storage Conditions | Do not contaminate water, food or feed by storage and disposal. Store in tightly closed, original container in a cool (10°C-30°C), dry area. Keep in an area inaccessible to children. |
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL |
|---------------|-----------------------------------|-----------------------|
| Silica | TWA 0.025 mg/m ³ | 0.05mg/m ³ |
| Silica | NIOSH(REL) 0.05 mg/m ³ | |

Appropriate engineering controls

Engineering Control

Proper ventilation in accordance with good industrial hygiene should be provided.

Individual protection measures, such as personal protective equipment

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| Eye/Face Protection | Chemical resistant goggles and face protection. |
| Skin and Body Protection | Use water impervious gloves (latex or neoprene rubber). No breakthrough time has been established. |
| Respiratory Protection | Respiratory protection is not necessary under normal conditions of use. If necessary to prevent exposure above occupational limits, use an approved cartridge style respirator. |
| Others | Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

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|------------------------------|--------------------------------|-------------------------|----------------|-----------|
| Physical State | Slurry | Odor | Mint Scent | |
| Appearance | Slurry white | Odor Threshold | Not determined | |
| Color | White | | | |
| Property | Values | Remarks • Method | | |
| pH (Neat) | 1.0-2.5 | Literary Reference | | |
| Melting Point/Freezing Point | 0°C(32°F) | | | |
| Boiling Point/Boiling Range | 100°C(212°F) | | | |
| Flash Point | None | | | |
| Evaporation Rate | Similar to water | | | |
| Flammability (Solid, Gas) | Not determined | | | |
| Upper Flammability Limits | Not determined | | | |
| Lower Flammability Limit | Not determined | | | |
| Vapor Pressure | Not determined | | | |
| Relative Density | 1.20-1.30 | | | |
| Specific Gravity | Not determined | | | (1=Water) |
| Water Solubility | Complete | | | |
| Solubility in other solvents | Not determined | | | |
| Partition Coefficient | Not determined | | | |
| Auto ignition Temperature | Not determined | | | |
| Decomposition Temperature | Not determined | | | |
| Viscosity | Viscous slurry | | | |
| Property | Values | Remarks • Method | | |
| Dynamic Viscosity | Not determined | | | |
| Explosive Properties | Not determined | | | |
| Oxidizing Properties | Not determined | | | |
| VOC Content | <1 (Excluding exempt material) | | | |

10. STABILITY AND REACTIVITY

Reactivity

Not specific reactive test data is available for this mixture. Under normal conditions of storage and use, hazardous reactions are not expected.

Chemical Stability

This product is stable at ambient temperatures and pressures.

Conditions to Avoid

Temperatures above 50°C (122°F) or below 10°C (50°F).

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Toxicity data is not available for this mixture. Data below are estimated based on summation methods

Product Information

| Test | Results | Classification (A.0.4.1(c)) | Basis (A.1.3.6.1) |
|------------------------|-------------|-----------------------------|--|
| Oral | > 1075mg/kg | Category 4 | Ingredient literature (Additive formula) |
| Dermal | > 5000mg/kg | Not applicable | Ingredient literature (Additive formula) |
| Inhalation | > 20 mg/L | Not applicable | Ingredient literature (Additive formula) |
| Eye Damage/Irritation | Corrosion | Category 1 | Ingredient literature |
| Skin Damage/Irritation | Irritation | Category 2 | Ingredient literature |

Summary: Skin and eye contact are most likely routes of exposure. Exposure causes skin irritation and serious eye damage.

Subchronic/Chronic Toxicity:

| Test | Results | Classification | Basis |
|---------------------------|------------------|----------------|------------------------|
| Skin Sensitization | Not a sensitizer | Not applicable | Ingredient literature. |
| Respiratory Sensitization | Not a sensitizer | Not applicable | Ingredient literature. |

Summary: Repeated or prolonged contact causes skin irritation and serious eye damage.

Carcinogens - Silica CAS# 14808-60-7 is listed by both IARC and NTP as a human carcinogen when present in the form of respirable quartz. Zap-Ox, as delivered, does not contain respirable quartz.

Reproductive effects - No data available

Germ cell mutagenicity - No data available

STOT-single exposure - No data available

STOT-repeated exposure - No data available

Aspiration toxicity - No data available

Other data - No other toxicological information is available for this mixture.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This material has not been tested for acute environmental effects.

Persistence/Degradability

Material is not persistent. All organic components >1% are readily biodegradable.

Bioaccumulation

No evidence to suggest bio-accumulation will occur.

Mobility

Accidental spillage may lead to penetration of soil and groundwater.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Do not contaminate water, food or feed by disposal. If material cannot be disposed of by use according to label directions, contact your State Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance. Rinse container after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. If container is one gallon or less, wrap empty container in plastic bag and discard in trash.

14. TRANSPORT INFORMATION

| | |
|-------------------------------|----------------|
| Proper Shipping Name | Not regulated |
| RQ | Not applicable |
| Transport hazard class | Not applicable |
| Hazard label | Not applicable |
| Packing group | Not applicable |
| Marine Pollutant | No |
| Emergency Guide No. | Not applicable |

15. REGULATORY INFORMATION

International Inventories

All components are listed on TSCA (US), EINECS/ELINCS(EU), DSL(Canada), AICS(Australia).

US Federal Regulations

OSHA Hazard Status

This product meets the § 1910.1200 definition of a "Hazardous Chemical".

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

SARA 313

*Chemicals marked with an asterisk in "3. Composition/Information on Ingredients" are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372.

California Proposition 65

This product does contain a listed substance known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute: Quartz CAS# 14808-60-7. In its current form however, no respirable quartz is present.

U.S. State Right-to-Know Regulations

See "3. Composition/Information on Ingredients" for hazardous and top five ingredients over 1%

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|------------------------------|
| 16. OTHER INFORMATION |
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| | | | | |
|--------------------|----------------------------|--------------------------|------------------------------|---------------------------------|
| <u>NFPA</u> | Health Hazards - | Flammability - | Reactivity - | Special Hazards - |
| <u>HMIS</u> | Health Hazards 2 | Flammability 0 | Physical Hazards 0 | Personal Protection B |

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Revision Note New format

Disclaimer

No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, is made with respect to information concerning the product referred to in this document. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, it is impossible to foresee every health effect or exposure risk incurred by the use of this product. All chemicals present some degree of hazard and should be used with caution. The information and recommendations contained herein are presented in good faith. The user should review this information in conjunction with their knowledge of the application intended to determine the suitability of this product for such purpose. In no event will the supplier be responsible for any damages of any nature whatsoever, resulting from the use, reliance upon, or the misuse of this information. Furthermore, it is the direct responsibility of the user to comply with all applicable regulations governing the use and disposal of this material.

End of Safety Data Sheet