

SAFETY DATA SHEET



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Version: 1.0
Date: 10/23/2019

Nexo Flex MS-1000 Premium Hybrid Sealant

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Brand Name: Nexo Flex MS-1000 Premium Hybrid Sealant

Other Names/Synonyms: None

Recommended Use: Sealant - Other

Uses advised against: No information available

Company Contact Information

Emergency Telephone Number

Caliber Supply, LLC
3321 N. Reseda ste. 52
Mesa, AZ 85215
Phone (480) 269-5424
Caliber-Supply.com

CHEMTREC: 1-800-424-9300 (24 hours) or 1-703-527-3887

2. HAZARDS IDENTIFICATION

GHS Classification



Classification: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation: Category 2A

Skin Sensitization: Category 1

Reproductive Toxicity: Category 1B

Emergency Overview: Signal word - Danger

Hazard Statements: Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility or the unborn child.

Appearance: Varies

Physical State: Paste Liquid

Odor: Mint-like

Precautionary Statements - Prevention

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Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear eye/face protection. Wear protective gloves.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes; Remove contact lenses, if present and easy to do; continue rinsing; if eye irritation persists: Get medical advice/attention.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

23.4% of the mixture consists of ingredient(s) of unknown toxicity

Other information

No information available.

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Mixture

Chemical Nature: Mixture

<u>CAS Number</u>	<u>*Wt %</u>	<u>Component Name</u>
471-34-1	30 - 60	Calcium Carbonate
1333-86-4	0.1 - 1	Carbon Black (if needed)
22673-19-4	0.1 -1	Tin catalyst
13463-67-7	1 - 5	Titanium Dioxide (if needed)

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General Advice: Show this safety data sheet to the doctor in attendance.

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Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area. Keep eye wide open while rinsing.

Skin Contact

Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions, see a physician.

Inhalation

Remove to fresh air.

Ingestion

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Most important symptoms and effects, both acute and delayed

Burning sensation. Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

May cause sensitization in susceptible persons. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

No information available

Uniform Fire Code

Sensitizer: Liquid

Hazardous Combustion Products

Carbon oxides

Explosion Data

Sensitivity to Mechanical Impact: No

Sensitivity to Static Discharge: No

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Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other Information

Refer to protective measures listed in Sections 7 and 8.

Environmental Precautions

Environmental Precautions

Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Incompatible Products

None known based on information supplied

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines

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Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Calcium Carbonate (CAS# 471-34-1)	-	TWA: 15 mg/m ³ TWA: 5 mg/m ³ (vacated) TWA: 15 mg/m ³ (vacated) TWA: 5 mg/m ³	TWA: 5 mg/m ³ respirable dust TWA: 10 mg/m ³ total dust
Titanium Dioxide (CAS# 13463-67-7)	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust	IDLH: 5000 mg/m ³
Carbon Black (CAS# 1333-86-4)	TWA: 3 mg/m ³ inhalable fraction	TWA: 3.5 mg/m ³ (vacated) TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
Tin (CAS# 22673-19-4)	STEL: 0.2 mg/m ³ TWA: 0.1 mg/m ³	TWA: 0.1 mg/m ³ (vacated) TWA: 0.1 mg/m ³	IDLH: 25 mg/m ³ TWA: 0.1 mg/m ³ except Cyhexatin Sn

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

Appropriate engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection

If splashes are likely to occur: Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Wear protective gloves and protective clothing.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes, and clothing. Wear suitable gloves and eye/face protection.

9. PHYSICAL & CHEMICAL PROPERTIES

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Physical Form: Paste, Liquid
Color: Varies
Odor: Mint-like
Odor Threshold: No information available
Appearance: Varies

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	UNKNOWN	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	None known
Oxidizing Properties	No data available	None known

Other Information

Softening Point	No data available
VOC Content (g/L)	< 23 g/L, less water and exempt solvents
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions

Possibility of Hazardous Reactions

None under normal processing

Hazardous Polymerization

Hazardous polymerization does not occur

Conditions to avoid

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Moisture

Incompatible materials

None known based on information supplied

Hazardous Decomposition Products

Carbon oxides

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation:

Specific test data for the substance or mixture is not available; May cause irritation of respiratory tract.

Eye Contact:

Specific test data for the substance or mixture is not available; Expected to be an irritant based on components; May cause redness, itching, and pain; May cause temporary eye irritation.

Skin Contact:

Specific test data for the substance or mixture is not available; May cause irritation; Prolonged contact may cause redness and irritation.

Ingestion:

Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium Carbonate (CAS# 471-34-1)	= 6450 mg/kg (Rat)	-	-
Titanium Dioxide (CAS# 13463-67-7)	> 10000 mg/kg (Rat)	-	-
Carbon Black (CAS# 1333-86-4)	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	-

Information on toxicological effects

Symptoms:

May cause redness and tearing of the eyes. Itching. Rashes. Hives.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization:

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May cause sensitization in susceptible persons. May cause sensitization by skin contact.

Mutagenic Effects:

No information available.

Carcinogenicity:

The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid. This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form.

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium Dioxide (CAS# 13463-67-7)	-	Group 2B	-	X
Carbon Black (CAS# 1333-86-4)	A3	Group 2B	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive Toxicity

Contains a known or suspected reproductive toxin.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Chronic Toxicity

Contains a known or suspected reproductive toxin. Possible risk of irreversible effects.

Target Organ Effects

Eyes; Skin; Respiratory system; gastrointestinal tract (GI); Lungs; Reproductive System. Bladder. Urinary Tract.

Aspiration Hazard

No information available.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) = 7,715 mg/kg

12. ECOLOGICAL CONSIDERATIONS

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Ecotoxicity

Harmful to aquatic life with long lasting effects

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Carbon Black (CAS# 1333-86-4)				24h EC50: > 5600 mg/L

Persistence and Degradability

No information available

Bioaccumulation

No information available

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT NOT REGULATED

Proper Shipping Name: Non Regulated
Hazard Class: N/A

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

Proper Shipping Name: Non Regulated
Hazard Class: N/A

IMDG/IMO Not regulated

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Hazard Class: N/A

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA No data available.

DSL No data available.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

No data available.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

Contains n-hexane (CAS# 110-54-3), which is known by the State of California to cause reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Calcium Carbonate (CAS# 471-34-1)	X	X	X		

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Carbon Black (CAS# 1333-86-4)	X	X	X		X
Titanium Dioxide (CAS# 13463-67-7)	X	X	X		

International Regulations

Mexico

No data available.

Canada

No data available.

16. OTHER INFORMATION

NFPA

Health Hazards: 2
Flammability: 0
Instability: 0
Physical/Chemical Haz. -

HMIS

Health Hazards: 2*
Flammability: 0
Physical Hazard: 0
Personal Protection: X

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. 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, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text