

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product name : C-Bond nanoShield  
 Product ID : 20110089

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use of the substance/mixture : Water-based Glass Strengthener/Hydrophobic  
 Use advised against : None identified

**1.3. Details of the supplier of the safety data sheet**

**CB Nanoshield, LLC**  
 6035 South Loop East  
 Houston, TX 77033  
 Tel: 1-832-649-5658

**1.4. Emergency telephone number**

Emergency number : 1-800-424-9300 CHEMTTREC – 24 HOURS

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification**

Eye Damage/Irritation, Category 2

**2.2. Label elements**

**Labelling**

Hazard pictograms :



Signal word :

Warning

Hazard statements :

Causes serious eye irritation

Precautionary statements :

Wash hands thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 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

**2.3. Other hazards**

Other hazards which do not result in classification

: Spills of this product present a serious slipping hazard.

**2.4. Unknown acute toxicity**

Not applicable

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable

**3.2. Mixture**

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Name	Product identifier	% w/w
Trimethoxysilane	Proprietary	< 3.0

The specific chemical component identities and/or the exact component percentages of this material may be withheld as trade secrets.

This information is made available to health professionals, employees, and designated representatives in accordance with the applicable provisions of 29 CFR 1910.1200 (l)(1).

Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, mutagen, and reproductive toxicant, respiratory tract and skin sensitizers in addition to oral/ inhalation acute toxicant in category 1 and 2). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove individual to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : If skin irritation occurs, wash with plenty of water. If irritation persists: Get medical advice/attention.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Obtain medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after eye contact : Causes serious eye irritation. Symptoms include stinging, watering, redness, and swelling.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Use fire-extinguishing media appropriate for surrounding materials. Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

#### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Stop leak if safe to do so. Special danger of slipping by leaking/spilling product. Avoid contact with eyes. Avoid breathing mist. Evacuate unnecessary personnel. Equip cleanup crew with proper protection. The low volatility of this product does not require ventilation. However depending on the condition, adequate ventilation might be required.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect all waste in suitable and labelled containers and dispose according to local legislation. Ensure all national/local regulations are observed.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Read label before use. Obtain special instructions before use. Ensure good ventilation of the work station. Avoid contact with eyes. Wear personal protective equipment. Keep container closed when not in use.

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Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : This product should be stored at ambient temperature. Ship and store above 32°F. Do not freeze. Keep only in the original container in a cool well-ventilated place. Keep away from incompatible materials.

Incompatible materials : Strong oxidizing agents.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station. Availability of an emergency eye-wash fountains is recommended for the immediate vicinity of any potential exposure.

Personal protective equipment : Handle in accordance with good industrial hygiene and safety practices. Avoid all unnecessary exposure. For certain operations, additional Personal Protection Equipment (PPE) may be required.

Hand protection : In case of repeated or prolonged contact wear gloves.

Eye protection : Wear goggles if splashing or spraying is anticipated.

Skin and body protection : In case of repeated or prolonged exposure : Personal protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Other information : Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear, water-like

Color : Colorless

Odor : Odorless

Odor threshold : Not applicable

pH : 6.8

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : Not applicable

Freezing point : No data available

Boiling point : > 210.02 °F (> 98.9 °C) - Calculated

Flash point : > 210.02 °F (> 98.9 °C) - Estimated

Auto-ignition temperature : Not applicable

Decomposition temperature : No data available

Flammability (solid, gas) : Not applicable

Vapor pressure : No data available

Relative vapor density at 20 °C : Not applicable

Relative density : 1.07

Solubility : Soluble

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : Not applicable

Viscosity : Not applicable

Explosive properties : Not applicable

Oxidising properties : Not applicable

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Explosive limits : Not applicable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling and storage condition

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Keep away from incompatible materials.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

Thermal decomposition products: Hydrocarbon substances with low molecular weight and their oxidation products. Carbon monoxide. Carbon dioxide. Silicon dioxide.

## SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

Acute toxicity : Not classified  
(Based on available data, the classification criteria are not met)

Skin corrosion/irritation : Not classified  
(Based on available data, the classification criteria are not met)

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified  
(Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified, This product does not contain any component at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC/ NTP/ ACGIH or OSHA.  
(Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified  
(Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified  
(Based on available data, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified  
(Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified  
(Based on available data, the classification criteria are not met)

Symptoms/injuries after eye contact : Causes serious eye irritation. Symptoms include stinging, watering, redness, and swelling.

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### SECTION 12: Ecological information

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#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

### SECTION 13: Disposal considerations

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#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with applicable local, national and international regulations.

### SECTION 14: Transport information

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In accordance with DOT

Not regulated for transport

#### Additional information

Other information : No supplementary information available.

#### ADR

No additional information available

#### Transport by sea

No additional information available

#### Air transport

No additional information available

### SECTION 15: Regulatory information

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#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### 15.2. International regulations

No additional information available

#### 15.3. US State regulations

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California Proposition 65 - This product may contain substances known to the state of California to cause cancer, developmental and/or reproductive harm at low concentration.

### SECTION 16: Other information

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Indication of changes : Criteria of HazCom 2012 applied,  
Section 2- Hazards identification

Revision date : 2/01/2022

*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*