

Issue Date 05/25/2018

Revision Date 10/15/2022

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Nu-Shield

Other means of identification

Product Code 1941

Details of the supplier of the safety data sheet

Company Name Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Label elements

Emergency Overview

WARNING

Hazard statements

Causes eye irritation. May cause mild skin irritation.



Appearance: Opaque white liquid

Physical state: Liquid

Odor: Lemon



Precautionary Statements - Prevention

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

Precautionary Statements - Response

If on skin: Wash with plenty of soap and water. 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 attention.

Precautionary Statements - Storage

Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area. This material is freezable as it contains water.

Precautionary Statements - Disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Siloxanes and Silicones, Di-me	63148-62-9	*	*
Tridecyl Alcohol Ethoxylated	24938-91-8	*	*

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

4. FIRST AID MEASURES**First aid measures****Skin Contact**

Wash with soap and plenty of water. Remove all contaminated clothing. Get medical attention if irritation develops or persists.

Eye Contact

Immediately flush with plenty of cool water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention, if irritation persists.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion

Do not induce vomiting unless instructed to do so by a physician. Call a physician or poison center for medical attention.

Most important symptoms and effect, both acute and delayed**Symptoms**

Overexposure to eyes can cause excessive water, redness and stinging. Overexposure to skin may cause itching and redness similar to a rash. Ingestion may cause gastrointestinal irritation, diarrhea, nausea and vomiting.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Alcohol foam. Carbon dioxide. Dry chemical and water spray.

Unsuitable extinguishing media: Not determined.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed. This product contains methypolysiloxane which can generate formaldehyde at 300°F (150°C) and above in atmospheres which contain oxygen.

Hazardous Combustion Products: When strongly heated, as in a fire, this product may produce oxides of carbon.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus w/ full protective clothing in chemical fires.

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

Personal precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment & cleaning up Prevent further leakage or spillage if safe to do so. Spills: Liquid product on towlette, pick up using suitable absorbent material and place in a recovery drum.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area. This material is freezable as it contains water.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Appropriate engineering controls**

Engineering Controls Ensure adequate ventilation especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses or goggles are recommended.

Skin protection Chemical resistant gloves are recommended.

Respiratory protection Normally not required. Ensure adequate ventilation especially confined spaces.

General Hygiene Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Liquid
Appearance	Opaque white liquid
Color	Opaque white
Odor	Lemon
Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7.0	
Melting Point/Freezing Point	0°C (32°F)	
Boiling Point/Boiling Range	212°F	
Flash Point	Not determined	

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Heavier than air	
Specific Gravity	0.99	(Water = 1)
Water Solubility	Dispersible	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	None	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility Of Hazardous Reactions

Under normal conditions of storage and use, hazardous polymerization will not occur.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

During fire, this product may produce oxides of carbon and silicone oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Skin Contact	Avoid contact with skin. May cause mild skin irritation.
Eye Contact	Avoid contact with eyes. Causes eye irritation. May cause serious eye damage.
Inhalation	No hazards anticipated.
Ingestion	Do not ingest. May cause an upset stomach.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Siloxanes and Silicones, Di-me 63148-62-9	>17000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms Overexposure to eyes can cause excessive water, redness and stinging. Overexposure to skin may cause itching and redness similar to a rash. Ingestion may cause gastrointestinal irritation, diarrhea, nausea and vomiting.

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

Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Soil Mobility

No information available.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of Wastes Consult local, state and federal regulations before disposing of this material.

Empty Container Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

DOT Not regulated.

IATA Not regulated.

IMDG Not regulated.

Marine Pollutant No.

15. REGULATORY INFORMATION**International Inventories**

TSCA Listed

Legend:

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

US Federal Regulations**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).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain 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

Yes

Superfund Amendments and Reauthorization Act of 1986

Acute health hazard	No
Delayed hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

US State Regulations**California Proposition 65**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations.

16. OTHER INFORMATION

NFPA	Health hazards	ND	Flammability	ND	Reactivity	ND	Other	ND
HMIS	Health hazards	1	Flammability	1	Reactivity	0	Personal protection	B

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Revision Note

N/A = Not Applicable; N/D = Not Determined

Disclaimer

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.

End of Safety Data Sheet