

## 1. Identification

**Product name:** Nano Ceramic Mold Grease

**Recommended use:** Lubricants, Greases and Release Products

**Supplier:** Nanoplas  
2950 Prairie Street SW  
Suite 900  
Grandville, MI 49418  
T (616)-452-3707

**Emergency number:** For Chemical Emergency Call INFOTRAC 24hr/day 7days/week  
Within USA, Mexico and Canada: 800-535-5053 ID# 102222  
Outside USA, Mexico and Canada: 1-352-323-3500 ID# 102222

**Date of issue:** 07/08/2019

## 2. Hazard(s) identification

### Classification:

Physical hazards	Health hazards
Not classified	Eye irritation Category 2A

### GHS US labeling:

Warning!



Hazard statements (GHS US)	Precautionary statements (GHS US)
H319 - Causes serious eye irritation	P264 - Wash hands thoroughly after handling. P280 - Wear eye protection. P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337+P313 - If eye irritation persists: Get medical attention. P501 - Dispose of contents or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

## 3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
White Mineral Oil (Petroleum)	8042-47-5	50 - 60
Calcium Dodecylbenzenesulphonate	26264-06-2	1 - <3

Component	CAS-No.	Amount (%)
Titanium Dioxide	13463-67-7	< 2.5

#### 4. First-aid measures

**Inhalation:** Move the affected person to the fresh air. Get medical attention if symptoms occur.

**Skin:** Wash skin with plenty of water. Get medical advice if skin irritation persists.

**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.

**Ingestion:** Rinse mouth. Get medical advice/attention.

**Symptoms/effects:** May cause moderate irritation to the eyes.

**Immediate medical attention and special treatment, if necessary:** Not required.

#### 5. Fire-fighting measures

**Suitable extinguishing media:** Dry chemical, CO<sub>2</sub>, or water spray or regular foam. Do not use water jet.

**Unsuitable extinguishing media:** None.

**Fire hazard:** This product is not classified as flammable or combustible.

**Special protective equipment and precautions for fire-fighters:** Cool down the containers exposed to heat with a water spray. Self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment.

#### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Ventilate area. Wear suitable protective clothing. Avoid contact with eyes, skin and clothing.

**Methods and material for containment and cleaning up:** Collect spillage. Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

#### 7. Handling and storage

**Precautions for safe handling:** Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Wash hands with water and soap.

**Storage conditions:** Store in a cool, well-ventilated place.

#### 8. Exposure controls/personal protection

Exposure guidelines:	
Calcium Carbonate	None established.
White Mineral Oil (Petroleum)	5 mg/m <sup>3</sup> TWA OSHA PEL; 5 mg/m <sup>3</sup> (I - Inhalable particulate matter) TWA ACGIH;
Titanium Dioxide	15 mg/m <sup>3</sup> TWA OSHA PEL; 10 mg/m <sup>3</sup> TWA ACGIH;
Calcium Dodecylbenzenesulphonate	None established.

**Appropriate engineering controls:** Provide adequate general and local exhaust ventilation. No particular/specific measures required.

**Environmental exposure controls:** Avoid release to the environment.

**Personal protective equipment:**

**Hand protection:** Wear suitable gloves

**Eye protection:** Chemical goggles or safety glasses

**Skin and body protection:** Wear suitable protective clothing

**Respiratory protection:** No respiratory protection needed under normal use conditions. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**9. Physical and chemical properties**

<b>Physical state</b>	: Liquid	<b>Relative density</b>	: < 1
<b>Color</b>	: No data available	<b>Solubility</b>	: No data available
<b>Odor</b>	: characteristic	<b>Log Pow</b>	: No data available
<b>Odor threshold</b>	: No data available	<b>Auto-ignition temperature</b>	: No data available
<b>pH</b>	: No data available	<b>Decomposition temperature</b>	: No data available
<b>Melting point</b>	: Not applicable	<b>Viscosity, kinematic</b>	: > 20.5 mm <sup>2</sup> /s
<b>Freezing point</b>	: No data available	<b>Viscosity, dynamic</b>	: No data available
<b>Boiling point</b>	: No data available	<b>Explosion limits</b>	: No data available
<b>Flash point</b>	: > 302 °F	<b>Explosive properties</b>	: None.
<b>Relative evaporation rate (butyl acetate=1)</b>	: No data available	<b>Oxidizing properties</b>	: None.
<b>Flammability (solid, gas)</b>	: Not applicable.		
<b>Vapor pressure</b>	: No data available		
<b>Relative vapor density at 20 °C</b>	: No data available		

No additional information available

**10. Stability and reactivity**

**Reactivity:** The product is non-reactive under normal conditions of use, storage and transport.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** No dangerous reactions known under normal conditions of use.

**Conditions to avoid:** None known.

**Incompatible materials :** Keep away from oxidizers, strong acids and strong bases.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. Toxicological information**

**Inhalation:** May cause minor irritation to the respiratory tract and to other mucous membranes.

**Skin:** May cause slight irritation to the skin.

**Eyes:** Causes serious eye irritation.

**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic symptoms:** None known.

**Carcinogenicity:** Not classified  
White Mineral Oil (Petroleum): This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.  
Titanium Dioxide: IARC 2B - Possibly carcinogenic to humans;  
Calcium: This component is not listed as a carcinogen or suspected carcinogen by IARC,  
Dodecylbenzenesulphonate : NTP, ACGIH, OSHA or the EU CLP.  
**Germ cell mutagenicity:** Not classified  
**Reproductive toxicity:** Not classified

**Numerical measures of toxicity:**

**The following are the toxicity values for the components:**

White Mineral Oil (Petroleum): Oral rat LD50- > 5000 mg/kg; Dermal rabbit LD50- > 2000 mg/kg;  
Titanium Dioxide: Oral rat LD50- > 5000 mg/kg;  
Calcium: Oral rat LD50- 1300 mg/kg; Dermal rabbit LD50- > 2000 mg/kg;

Dodecylbenzenesulphonate :

**Skin corrosion/irritation** Not classified

**Serious eye damage/irritation** Causes serious eye irritation.

**Respiratory or skin sensitization** Not classified

**Germ cell mutagenicity** Not classified

**Carcinogenicity** Not classified. Titanium Dioxide is inextricably bound in the chemical matrix of this product and no exposure will occur.

**Specific target organ toxicity – single exposure** Not classified

**Specific target organ toxicity – repeated exposure** Not classified

## 12. Ecological information

**Ecology - general:** Harmful to aquatic life.

**Ecotoxicity:**

White Mineral Oil (Petroleum) 100 mg/L Fish LC50; 100 mg/L Daphnia EC50

Calcium 3.2 mg/L Fish LC50; 4.58 mg/L Daphnia EC50

Dodecylbenzenesulphonate

**Persistence and degradability:** No data available

Calcium Readily biodegradable.

Dodecylbenzenesulphonate :

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:**

No data available

## 13. Disposal considerations

**Waste treatment methods:** Dispose of contents/container in accordance with licensed collector's sorting instructions.

**14. Transport information**

**Department of Transportation (DOT)**

Not regulated for transport

**Transport by sea**

Not regulated for transport

**Air transport**

Not regulated for transport

**15. Regulatory information**

**SARA Section 313 - Emission Reporting:** Not subject to reporting requirements of the United States SARA Section 313

**CERCLA Section 103:** 0 lb

Calcium Dodecylbenzenesulphonate	26264-06-2	1000 lb
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**SARA 302:**

Not applicable

**SARA Section 311/312 Hazard Classes:** Refer to Section 2 for OSHA Hazard Classification.

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

**INTERNATIONAL INVENTORIES**

- Australia AICS:** All ingredients are listed
- Canada DSL:** All ingredients are listed
- China IECSC:** All ingredients are listed
- EU EINECS:** All ingredients are listed
- Japan ENCS:** All ingredients are listed
- Korea KECL:** All ingredients are listed
- New Zealand:** All ingredients are listed
- Philippines PICCS:** All ingredients are listed
- Taiwan CSNN** All ingredients are listed

**16. Other information**

Revision date : 07/08/2019

<b>NFPA</b>	
NFPA health hazard:	2
NFPA fire hazard:	1
NFPA reactivity:	0

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<b>HMIS Hazard Rating</b>	
Health:	2 Moderate Hazard - Temporary or minor injury may occur
Flammability:	1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical:	0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

**NOTICE**

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. The company listed in Section 1 shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.