DAYTON Lamina™
a MISUMI Group Company

# Safety Data Sheet

## DAYLube Food Grade Grease

**Revision date** 28-May-2019 **Version** 1

## 1. IDENTIFICATION

### 1.1. Product identifier

**Product name** DayLube Food Grade Grease

**Synonyms** None

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

**Recommended use** Lubricating grease only for industrial use
**Uses advised against** No information available

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

**Manufacturer**
Nanoplas, Inc.
2950 Prairie St.,SW
Grandville, MI 49418
United States
616-452-3707

### 1.4. Emergency telephone number

**ChemTel Emergency telephone** 616-452-3707
**International Emergency telephone** +01-616-452-3707

## 2. HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Serious eye damage/eye irritation — Category 2

### 2.2. Label elements

**Signal word** WARNING

**Hazard statements** Causes serious eye irritation.

**Symbols/Pictograms**

**Precautionary Statements - Prevention**
Wash face, hands and any exposed skin thoroughly after handling. Wear eye/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. Hazards not otherwise classified (HNOC)

May be harmful if swallowed. May be harmful in contact with skin. Causes mild skin irritation.

### 2.4. Other information

12.78% of the mixture consists of ingredient(s) of unknown toxicity.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

| Chemical name | CAS No | weight-% |
|---|---|---|
| Sulfonic acids, petroleum, calcium salts, overbased | 68783-96-0 | 10-30 |
| Calcium Carbonate (CaCO3) | 471-34-1 | 2.5-5 |
| Calcium dodecylbenzenesulphonate | 26264-06-2 | 2.5-5 |

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

**Ingredient comments** This product is a calcium sulfonate complex grease based on mineral oils. The mineral oils in the product contain <3% DMSO-extract (IP 346).

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

**Inhalation** Move to fresh air in case of accidental inhalation of vapors or decomposition products.

**Skin contact** Wash skin with soap and water.

**Eye contact** 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.

**Ingestion** Do not induce vomiting without medical advice. IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

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

**Symptoms** None known.

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

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media** Use CO2, dry chemical, or foam.

**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

Not flammable. Fire may produce irritating and/or toxic gases.

**Hazardous combustion products** Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

### 5.3. Advice 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

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

**Personal precautions** Extremely slippery when spilled. Avoid contact with eyes and skin. Avoid breathing vapors or mists. Use personal protection recommended in Section 8.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

Do not allow into any sewer, on the ground or into any body of water. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

### 6.3. 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** Use personal protective equipment as required. Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Advice on safe handling** Extremely slippery when spilled. Avoid prolonged or repeated contact with skin. Avoid breathing vapors or mists.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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

**Storage conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep at a temperature not exceeding 45°C.

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

**Exposure guidelines**

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Calcium Carbonate (CaCO3) | | | TWA: 10 mg/m³ total dust<br>TWA: 5 mg/m³ respirable dust |
| Titanium Dioxide | TWA: 10 mg/m³ | TWA: 15 mg/m³ total dust<br>(vacated) TWA: 10 mg/m³ total dust | IDLH: 5000 mg/m³ |
| Magnesium Carbonate (MgCO3) | | | TWA: 10 mg/m³ total dust<br>TWA: 5 mg/m³ respirable dust |

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

### 8.2. Exposure controls

**Engineering controls** Eyewash stations
Ventilation systems

### 8.3. Individual protection measures, such as personal protective equipment


**Hand protection** Wear protective nitrile rubber gloves Thickness ≥ 0.38 mm - breakthrough time >480 minutes. Thickness 0.1 mm - splash protection.

**Eye/face Protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** No special technical protective measures are necessary.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

**Appearance** Smooth
**Physical state** Semi-solid
**Color** No information available
**Odor** No information available
**Odor threshold** No information available

| Property | Values | Remarks • Method |
|---|---|---|
| **pH** | | Not applicable |
| **Melting point/freezing point** | | No information available |
| **Boiling point/boiling range** | | Not applicable |
| **Flash point** | > 150 °C / > 302 °F | Based on base oils |
| **Evaporation rate** | | Not applicable |
| **Flammability (solid, gas)** | | No information available |
| **Flammability limits in air** | | No information available |
| **Upper flammability limit** | | |
| **Lower flammability limit** | | |
| **Vapor pressure** | | Not applicable |
| **Vapor Density** | | Not applicable |
| **Relative density** | | No information available |
| **Water solubility** | | No information available |
| **Solubility in other solvents** | | No information available |
| **Partition coefficient (n-octanol/water)** | | No information available |
| **Autoignition temperature** | | No information available |
| **Decomposition temperature** | | No information available |
| **Kinematic viscosity** | | No information available |
| **Dynamic viscosity** | | No information available |

**Other information**

**Density** < 1000 kg/m³ @ 25 °C / 77 °F

## 10. STABILITY AND REACTIVITY

**10.1. Reactivity**
Stable.

**10.2. Chemical stability**
Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**
None under normal processing.

**10.4. Conditions to avoid**
Heat.

**10.5. Incompatible materials**
Strong oxidizing agents.

**10.6. Hazardous decomposition products**
None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

**11.1. Information on likely routes of exposure**

**Inhalation** Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.

**Ingestion** Malaise (vague feeling of discomfort).

**Skin contact** May be harmful in contact with skin.

**Eye contact** Irritating to eyes.

**11.2. Information on toxicological effects**

**Symptoms** No information available.

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

**Skin corrosion/irritation** Not hazardous based on component data.

**Serious eye damage/eye irritation** Irritating to eyes.

**Sensitization** Not hazardous based on component data.

**Germ cell mutagenicity** Not hazardous based on component data.

**Carcinogenicity** Not hazardous based on component data.

**Reproductive toxicity** Not hazardous based on component data.

**STOT-single exposure** Not hazardous based on component data.

**STOT-repeated exposure** Not hazardous based on component data.

**Aspiration hazard** Not hazardous based on component data.

**11.4. Numerical measures of toxicity**

| Chemical name | Oral LD50 | Dermal LD50 | LC50 (lethal concentration) |
|---|---|---|---|
| Sulfonic acids, petroleum, calcium salts, overbased 68783-96-0 | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 1.9 mg/L ( Rat ) 4 h |
| Calcium Carbonate (CaCO3) | = 6450 mg/kg ( Rat ) | - | - |

| | | | |
|---|---|---|---|
| 471-34-1 | | | |
| Calcium dodecylbenzenesulphonate 26264-06-2 | 4445 mg/kg ( Rat ) | - | - |

**Acute toxicity** 12.78% of the mixture consists of ingredient(s) of unknown toxicity.

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

**ATEmix (oral)** 4796 mg/kg

**ATEmix (dermal)** 2255 mg/kg

## 12. ECOLOGICAL INFORMATION

**12.1. Ecotoxicity**

Not regarded as dangerous for the environment. Occasional major emissions or frequently recurring minor emissions may have a harmful or disturbing effect.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to Microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|---|---|---|---|---|
| Sulfonic acids, petroleum, calcium salts, overbased 68783-96-0 | 1000: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 40: 96 h Pimephales promelas mg/L LC50 | - | 1000: 48 h Daphnia magna mg/L EC50 |
| Calcium dodecylbenzenesulphonate 26264-06-2 | - | 10.8: 96 h Oncorhynchus mykiss mg/L LC50 static | - | - |

**12.2. Persistence and degradability**

Not readily biodegradable.

**12.3. Bioaccumulative potential**

Material does not bioaccumulate.

**12.4. Mobility in soil**

After release, adsorbs onto soil.

**12.5. Results of PBT and vPvB assessment**

No information available

**12.6. Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

**Disposal of wastes** Dispose of in accordance with federal, state and local regulations. Use personal protection recommended in Section 8.

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations

**US EPA waste number** No information available

**Other information** Waste codes should be assigned by the user based on the application for which the product was used

## 14. TRANSPORT INFORMATION

**14.1. UN number**

Not regulated

**14.2. UN proper shipping name**
Not regulated

**14.3. Transport hazard class(es)**
Not regulated

**14.4. Packing group**
Not applicable

**14.5. Environmental hazards**
None

**14.6. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
No information available

**14.7. Special precautions for user**
None

## 15. REGULATORY INFORMATION

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**CWA (Clean Water Act)** This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|---|---|---|---|
| Calcium dodecylbenzenesulphonate 26264-06-2 | 1000 lb | | | X |

**International Inventories**

| | |
|---|---|
| **TSCA** | Complies |
| **DSL/NDSL** | Complies |
| **EINECS/ELINCS** | - |
| **ENCS** | - |
| **IECSC** | Complies |
| **KECL** | Complies |
| **PICCS** | Complies |
| **AICS** | - |
| **NZIoC** | - |

**Legend:**
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
**ENCS** - Japan Existing and New Chemical Substances
**IECSC** - China Inventory of Existing Chemical Substances
**KECL** - Korean Existing and Evaluated Chemical Substances
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances
**AICS** - Australian Inventory of Chemical Substances
**NZIoC** - New Zealand Inventory of Chemicals

**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**

| | |
|---|---|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |

| | |
|---|---|
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---|---|---|---|
| Calcium dodecylbenzenesulphonate (CAS #: 26264-06-2) | 1000 lb | | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**US State Regulations**

**California Proposition 65** This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

| Chemical name | California Proposition 65 |
|---|---|
| Titanium Dioxide<br>13463-67-7 (2 %) | Carcinogen |
| Crystalline Silica (Quartz)<br>14808-60-7 (0.00495 %) | Carcinogen |

**U.S. State Right-to-Know Regulations**

**US State Regulations**

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| Calcium dodecylbenzenesulphonate<br>26264-06-2 | X | X | X |
| Titanium Dioxide<br>13463-67-7 | X | X | X |
| Magnesium Carbonate (MgCO3)<br>546-93-0 | X | X | |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

| | | | | |
|---|---|---|---|---|
| **HMIS** | **Health hazards** 2 | **Flammability** 1 | **Physical hazards** 0 | **Personal protection** B |
| **NFPA** | **Health hazards** 2 | **Flammability** 1 | **Instability** 0 | **Special Hazard** - |

**Revision date** 28-May-2019

**Revision note** No information available

**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 Material Safety Data Sheet**