

**According to Work Health and Safety Regulations 2011 and National Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals**

Version 1.0

Issue date: 15/01/2021

Revision date: 23/05/2022

SDS Record Number: CSSS-TCO-010-132701

### 1. Identification of the material and supplier

**Material name:** Sinopec Super Grease NLGI 2  
**Product Code** 60181928  
**Other means of identification:** Not available  
**Recommended use:** Suitable for lubricating heavy-duty bearings of steel metallurgy and other industries  
**Restrictions on use:** -  
**Manufacturer:**  
**Supplier(Manufacturer):** SINOPEC LUBRICANT CO.,LTD  
**Address:** No. 6 Anning Zhuang West Road, Haidian District, Beijing, P.R.China  
**Contact person(E-mail):** csc.lube@sinopec.com  
**Telephone:** 86-800-810-9886  
**Fax:** 86-10-82410856  
**Emergency number:** 86-800-810-9886

**Australia Supplier(Manufacturer):** International Lubricant Distributors Pty. Ltd.  
**Address:** 21 Logistics Boulevard, Kenwick, WA 6107, Australia  
**Contact person(E-mail):** -  
**Telephone:** -  
**Fax:** +61 8 9381 1788  
**Emergency number:** 1300 558 939

**New Zealand Supplier(Manufacturer):** MTS ENERGY LTD  
**Address:** PO BOX 302-133 North Harbour, Auckland 0751, New Zealand  
**Telephone:** +64 9 480 8921  
**Fax:** +64 9 480 8398  
**Emergency number:** 0800 399 993 (24 Hrs)

### 2. Hazards identification

#### Australia:

Not classified as Hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC), Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

#### New Zealand:

Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

#### GHS label elements:

**Hazard Pictograms :** No hazard pictogram is used.

**Signal word:** No signal word is used.

|   |                 |
|---|-----------------|
| <b>Hazard statement:</b>                                    | Not applicable. |
| <b>Precautionary statement:</b>                             |                 |
| <b>Prevention:</b>  | Not applicable. |
| <b>Response:</b>  | Not applicable. |
| <b>Storage:</b>   | Not applicable. |
| <b>Disposal:</b>  | Not applicable. |
| <b>Other hazards which do not result in classification:</b> | Not applicable. |

### 3. Composition/information on ingredients

| Components | CAS No. | Percent       |
|------------|---------|---------------|
| Base oil   | Mixture | 50-80% weight |
| Thickener  | Mixture | 20-50% weight |
| Additive   | Mixture | <3 % weight   |

### 4. First aid measures

|   |  |
|---|--|
| <b>Inhalation:</b>                              | Remove victim to fresh air and provide oxygen. Get medical attention.            |
| <b>Skin:</b>                                    | Flush skin with water, and then wash with soap and water. Get medical attention. |
| <b>Eye:</b>                                     | Flush with water for 15 minutes. If irritation occurs, get medical attention.    |
| <b>Ingestion:</b>                               | Do not induce vomiting. Get medical attention.                                   |
| <b>Symptoms caused by exposure:</b>             | Not available.   |
| <b>Medical Attention and Special Treatment:</b> | Treat symptomatically.   |

### 5. Fire-fighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media:</b>                                   | Carbon dioxide, foam, dry chemical and water fog.   |
| <b>Extinguishing media which must not be used for safety reasons:</b>  | Water.  |
| <b>Specific hazards arising from the chemical:</b>                     | Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.   |
| <b>Special protective equipment and precautions for fire fighters:</b> | This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. |

### 6. Accidental release measures

|   |  |
|---|--|
| <b>Personal precautions, protective equipment and emergency procedures:</b> | Avoid build up of vapor. Ensure sufficient supply of air. Avoid contact with eyes or skin. Contact with water - danger of sliding. Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. Evacuate all unprotected personnel. Eliminate all sources of ignition in vicinity of spilled material. |
| <b>Environmental precautions:</b>   | If leakage occurs, dam up. Prevent surface and ground-water infiltration, as well as ground penetration. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities.   |
| <b>Methods and materials for containment and cleaning up:</b>               | FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.<br>FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.  |

## 7. Handling and storage

### Precautions for safe handling:

Containers, even those that have been emptied, may contain explosive vapors. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Electrostatic discharge may be generated during pumping - this may result in fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

### Conditions for safe storage, including any incompatibilities:

Do not store in open or unlabeled containers. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures. Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame.

### Storage regulation

Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioned or disposed of properly.

## 8. Exposure controls/personal protection

### Control parameters – exposure

Not available

### standards, biological monitoring:

### Exposure Levels

### Occupational exposure limits:

#### Australia. National Workplace OELs (Workplace Exposure Standards for Airborne Contaminants, Appendix A)

| Components     | Type           | Value          | Form           |
|----------------|----------------|----------------|----------------|
| Not available. | Not available. | Not available. | Not available. |

#### Australia. OELs. (Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment)

| Components     | Type           | Value          | Form           |
|----------------|----------------|----------------|----------------|
| Not available. | Not available. | Not available. | Not available. |

No exposure standards have been established for this material.

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

### Appropriate engineering controls:

Provide sufficient ventilation to keep airborne levels as low as possible. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

### Personal protective equipment:

#### Eye/face protection:

Chemical goggles, or safety glasses with side shields.

#### Skin protection:

Use protective clothing and shoes which are chemically resistant to this material.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn.

#### Hand protection:

Use protective gloves which are chemically resistant to this material.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance:

##### Physical state:

Brushed uniform ointment

|  |  |
|--|--|
| <b>Form:</b>   | Brushed uniform ointment                     |
| <b>Color:</b>  | Light yellow to brown                        |
| <b>Odor:</b>   | No peculiar smell                            |
| <b>Odour threshold:</b>                                  | Not available                                |
| <b>PH:</b>   | Not available                                |
| <b>Melting point/Freezing point:</b>                     | Not available                                |
| <b>Boiling point and boiling range:</b>                  | Not available                                |
| <b>Flash point:</b>                                      | Not available                                |
| <b>Evaporation rate:</b>                                 | Not available                                |
| <b>Flammability (solid, gas) :</b>                       | Not available                                |
| <b>Upper/lower flammability or explosive limits:</b>     | Not available                                |
| <b>Vapor pressure:</b>                                   | <0.01 mmHg Maximum @ 37.8°C (100°F)          |
| <b>Vapor density:</b>                                    | >1 Maximum                                   |
| <b>Density:</b>  | 0.85 kg/l – 1.0 kg/l @ 20°C (68°F) (Typical) |
| <b>Solubility (H<sub>2</sub>O) :</b>                     | Not available                                |
| <b>Partition coefficient (n-octanol/water) :</b>         | Not available                                |
| <b>Auto-ignition temperature:</b>                        | Not available                                |
| <b>Decomposition temperature:</b>                        | Not available                                |
| <b>Viscosity, dynamic:</b>                               | Not available                                |
| <b>Specific heat value:</b>                              | Not available                                |
| <b>Particle size:</b>                                    | Not available                                |
| <b>Volatile organic compounds content:</b>               | Not available                                |
| <b>% volatile:</b>                                       | Not available                                |
| <b>Saturated vapour concentration:</b>                   | Not available                                |
| <b>Release of invisible flammable vapours and gases:</b> | Not available                                |
| <b>Additional parameters</b>                             |  |
| <b>Shape and aspect ratio:</b>                           | Not available                                |
| <b>Crystallinity:</b>                                    | Not available                                |
| <b>Dustiness:</b>  | Not available                                |
| <b>Surface area:</b>                                     | Not available                                |
| <b>Degree of aggregation or agglomeration:</b>           | Not available                                |
| <b>Ionisation (redox potential):</b>                     | Not available                                |
| <b>Biodurability or biopersistence:</b>                  | Not available                                |
| <b>Grades:</b>   | -  |
| <b>Dropping Point, °C:</b>                               | 330°C (626°F) (Typical)                      |

## 10. Stability and reactivity

|  |   |
|--|---|
| <b>Reactivity:</b>                         | Stable under recommended transport or storage conditions.   |
| <b>Chemical stability:</b>                 | Stable under normal temperatures and pressures.   |
| <b>Possibility of hazardous reactions:</b> | Contact with strong oxidants.   |
| <b>Conditions to avoid:</b>                | Incompatible materials. Extreme heat and high energy sources of ignition and strong oxidizers.                                  |
| <b>Incompatible materials:</b>             | Strong oxidizers.   |
| <b>Hazardous decomposition products:</b>   | Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion. |

## 11. Toxicological information

### Toxicological data:

|  |  |   |
|--|--|---|
| <b>Acute toxicity:</b>   |  |   |
| <b>LD50(Oral, Rat):</b>  |  | > 5000 mg/kg bw   |
| <b>LD50(Dermal, Rabbit):</b>                                       |  | Not available   |
| <b>LC50(Inhalation, Rat):</b>                                      |  | >10000mg/m3   |
| <b>Skin corrosion/Irritation:</b>                                  |  | No data available.  |
| <b>Serious eye damage/irritation:</b>                              |  | No data available.  |
| <b>Respiratory or skin sensitization:</b>                          |  | No data available.  |
| <b>Germ cell mutagenicity:</b>                                     |  | No data available.  |
| <b>Carcinogenicity:</b>  |  | No data available.  |
| <b>Reproductive toxicity:</b>                                      |  | No data available.  |
| <b>STOT- single exposure:</b>                                      |  | No data available.  |
| <b>STOT-repeated exposure:</b>                                     |  | No data available.  |
| <b>Aspiration hazard:</b>  |  | No data available.  |
| <b>Other information</b>   |  | This product has no known adverse effect on human health. |
| <b>Information on routes of exposure</b>                           |  | No data available.  |
| <b>Symptoms related to exposure</b>                                |  | No data available.  |
| <b>Numerical measures of toxicity</b>                              |  | No data available.  |
| <b>Immediate, delayed and chronic health effects from exposure</b> |  | No data available.  |

## 12. Ecological information

### Ecotoxicity:

| Acute toxicity |     | Time | Species | Method   | Evaluation | Remarks |
|----------------|-----|------|---------|----------|------------|---------|
| LC50           | N/A | 96h  | Fish    | OECD 203 | N/A        | N/A     |
| EC50           | N/A | 48h  | Daphnia | OECD 202 | N/A        | N/A     |
| EC50           | N/A | 72h  | Algae   | OECD 201 | N/A        | N/A     |

|                                       |   |
|---------------------------------------|---|
| <b>Persistence and degradability:</b> | This product is expected to be inherently biodegradable.  |
| <b>Bioaccumulative potential:</b>     | Bioaccumulation is unlikely due to the very low water solubility of this product; therefore bioavailability to aquatic organisms is minimal.  |
| <b>Mobility in soil:</b>              | When released into the environment, adsorption to sediment and soil will be the predominant behavior.   |
| <b>Other adverse effects:</b>         | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

## 13. Disposal considerations

|  |  |
|--|--|
| <b>Safe handling and disposal methods:</b> | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. |
|--|--|

## Disposal of any contaminated packaging:

### Australia:

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

### New Zealand:

#### Product Disposal

Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a combustible substance and therefore can be sent to an approved high temperature incineration plant for disposal. Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed. Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected. In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

#### Container Disposal

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service. Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous. In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## 14. Transport information

### Australia:

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

### New Zealand:

Not classified as Dangerous Goods for transport according to the NZS 5433:2012 Transport of Dangerous Goods on Land.

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

### U.N. Number

None Allocated

### Proper Shipping Name

None Allocated

### DG Class

None Allocated

### Packing Group

None Allocated

## 15. Regulatory information

### Safety, health and environmental regulations specific for the product in question

#### Australia:

Not classified as Hazardous according to criteria of National Occupational Health and Safety Commission (NOHSC), Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

#### New Zealand:

Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

#### Australia HVIC: Listed substance

Not available.

#### New Zealand Location Test Certificate

Subject to Regulation 55 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations a location test certificate is required when quantity greater than or equal to those indicated below are present.

| Hazard Class   | Quantity beyond which controls apply for closed containers | Quantity beyond which controls apply when use occurring in open containers |
|----------------|--|--|
| Not Applicable | Not Applicable   | Not Applicable   |

#### New Zealand Approved Handler

Subject to Regulation 56 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations, the substance must be under the personal control of an Approved Handler when present in a quantity greater than or equal to those indicated below.

| Class of substance | Quantities     |
|--------------------|----------------|
| Not Applicable     | Not Applicable |

#### Inventory status:

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Not available.         |
| Canada                      | Domestic Substances List (DSL)   | Not available.         |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | Not available.         |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Not available.         |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Not available.         |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | Not available.         |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Not available.         |
| Korea                       | Existing Chemicals List (ECL)  | Not available.         |
| New Zealand                 | New Zealand Inventory  | Not available.         |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Not available.         |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Not available.         |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information

Indication of changes: Version 1.1

Date of preparation or review: 2022.05.23

Material name: Sinopec Super Grease NLGI 2  
Version #: 1.1 Issue date: 15-01-2021. Revision date: 23-05-2022.

SDS Australia&New Zealand  
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## Key abbreviations or acronyms

### used:

CAS: Chemical Abstracts Service

LC50: Lethal Concentration 50

EC50: Concentration for 50% of maximal effect

LD50: Lethal dose 50%

MAC: maximum allowable concentration, MAC)

PC-TWA: permissible concentration-time weighted average

PC-STEL: permissible concentration-short term exposure limit

### reference

#### Australia:

Standard for the Uniform Scheduling of Medicines and Poisons.

Approved criteria for classifying hazardous substances [NOHSC: 1008(2004)].

National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC: 2011(2003)].

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH)

#### New Zealand:

Workplace Exposure Standards and Biological Exposure Indices

Transport of Dangerous goods on land NZS 5433.

Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 0906).

Assigning a hazardous substance to a group standard.

American Conference of Industrial Hygienists (ACGIH)