

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name : **SR-G**
Identification of Substance/Preparation : GREASE
Application : Industrial Lubricating Grease
SDS No. : RD16365_Eng
Company Identification
Manufacture & Distributor : SHIMANO NORTH AMERICA FISHING, INC.
Address : 9560 Palmetto Commerce Parkway Ladson, South Carolina 29456 U.S.A.
Emergency Phone number : +1-949-951-5003 (Business Hours Only)

Manufacture & Distributor : SHIMANO EUROPE B.V.
Address : High Tech Campus 92 NL-5656 AG Eindhoven, The Netherlands
Emergency Phone number : +31-40-2612222 (Business Hours Only)

Manufacture & Distributor : SHIMANO INC.
Address : 3-77 Oimatsu-cho Sakaiku Sakai OSAKA 5908577, JAPAN
Phone number : 0570-031961

2. HAZARDS IDENTIFICATION

Classification of the hazardous chemical

Not a hazardous substance or mixture.

Label elements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

No information available.

3. Composition and information of the ingredients of the hazardous chemical

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Dec-1-ene, dimers, hydrogenated	68649-11-6	>= 10 - < 30
1-Dodecene, polymer with 1-octene, hydrogenated	163149-29-9	>= 10 - < 25
calcium bis(dinonylnaphthalenesulphonate)	57855-77-3	< 1

No hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Mineral oil	-	< 1
Synthetic hydrocarbon	-	>= 50 - < 60
Ester	-	< 3
Urea	-	< 7
Lubricating oil additive	-	< 7

Total mineral oil concentration(% w/w) : < 1

4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Show this material safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
- Most important symptoms and effects, both acute and delayed
: None known.

5. FIRE-FIGHTING MEASURES

- Extinguishing media
Unsuitable extinguishing media : High volume water jet
- Physicochemical hazards arising from the chemical
Hazardous combustion products : No hazardous combustion products are known
- Special protective equipment and precautions for fire-fighters
Special protective equipment for fire-fighters
: Wear self-contained breathing apparatus for firefighting if necessary.
- Specific extinguishing methods : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances
and the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Use personal protective equipment.
- Avoid dust formation.
- Avoid breathing dust.

Environmental precautions

- : Prevent product from entering drains.
- Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

- : Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Precautions for safe handling

Advice on protection against fire and explosion

- : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling

- : Avoid formation of respirable particles.
- Do not breathe vapors/dust.
- Avoid exposure - obtain special instructions before use.
- Avoid contact with skin and eyes.
- For personal protection see section 8.
- Smoking, eating and drinking should be prohibited in the application area.
- Dispose of rinse water in accordance with local and national regulations.
- Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Storage

Conditions for safe storage, including any incompatibilities

Conditions for safe storage

- : Keep container tightly closed in a dry and well-ventilated place.
- Electrical installations / working materials must comply with the technological safety standards.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Contains no substances with occupational exposure limit values.

Individual protection measures, such as personal protective equipment

Eye/face protection

- : Eye wash bottle with pure water
- Tightly fitting safety goggles

Skin protection

- : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand protection

Remarks

- : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Hygiene measures

- : Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Paste
Physical state	: Solid
Color	: White
Odour	: slight
Drop point	: 247 °C
Flash point	: 170 °C Method: Seta closed cup
Relative vapour density	: No data available
Density	: 0.85 g/cm ³ (15 °C)
Solubility(ies) Water solubility	: insoluble
Viscosity Viscosity, kinematic	: No data available

10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed.
Conditions to avoid	: No data available
Incompatible materials	: Strong acids and strong bases
Hazardous decomposition products	: No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure
: None known.

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks: May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Product dust may be irritating to eyes, skin and respiratory system.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Product:

Remarks: May cause sensitization of susceptible persons by skin contact or by inhalation of aerosol or dust.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity : No data available

Persistence and degradability : No data available

Bioaccumulative potential : No data available

Mobility in soil : No data available

Other adverse effects

Product:

Additional ecological information : No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

14. TRANSPORT INFORMATION

International Regulations

UNRTDG : Not regulated as a dangerous good

IATA-DGR : Not regulated as a dangerous good

IMDG-Code : Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable for product as supplied.

15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the hazardous chemical

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 20
Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health)
Regulations 2000.

The ingredients of this product are reported in the following inventories:

ENCS	: Listed
TSCA	: Listed
EINECS	: Listed
REACH	: For further information, please contact
DSL	: Listed
AICS	: Not listed
KECI	: Listed
PICCS	: Not listed
IECSC	: Listed
TCSI	: Listed

16. OTHER INFORMATION

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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