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## SAFETY DATA SHEET

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### 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name : **CABLE GREASE**  
Use of the product : Lubricating grease.  
Company Identification

MSDS No. : CG100809-Eng

#### Company Identification

Manufacture & Distributor : SHIMANO NORTH AMERICA BICYCLE, INC.  
Address : One Holland, Irvine, California 92618 U.S.A.  
Emergency Phone number : +1-949-951-5003 (Business Hours Only)

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

Manufacture & Distributor : SHIMANO INC.  
Address : 3-77 Oimatsu-cho Sakaiku Sakai OSAKA 5908577, JAPAN  
Emergency Phone number : 0570-031961 (Business Hours Only)

### 2. HAZARDS IDENTIFICATION

#### GHS Information:

Hazard symbol(s) : Not required  
Signal Word : Not required

#### EU Information

Classification : Not classified.  
(67/548/EEC or 1999/45EC)

Classification(EC1272/2008) :

Physical Hazards:	Flammable solids:	Not classified.
	Pyrophoric solid:	Not classified.
	Self-heating substances and mixtures:	Not classified.
	Corrosive to metals:	Not classified.
Health Hazards:	Acute toxicity(oral):	Not classified.
	Acute toxicity(dermal):	Classification not possible.
	Acute toxicity(inhalation: mist):	Classification not possible.
	Skin corrosion/irritation:	Classification not possible.
	Serious eye damage/eye irritation:	Classification not possible.
	Sensitization-respiratory:	Classification not possible.
	Sensitization-skin:	Classification not possible.
	Germ cell mutagenicity:	Classification not possible.
	Carcinogenicity:	Classification not possible.
	Toxic to reproduction:	Classification not possible.
	Specific target organ systemic toxicity following single exposure:	Classification not possible.
	Specific target organ systemic toxicity following repeated exposure:	Classification not possible.
	Aspiration toxicity:	Classification not possible.

Environmental Hazards: Hazardous to the aquatic environment-Acute hazard: Classification not possible.  
Hazardous to the aquatic environment-Chronic hazard: Classification not possible.

The hazards without the above mention are "Not applicable" or "Classification not possible".

Hazard Pictogram(s) : No pictogram.  
Signal Word(s) : No signal word.  
Hazard Statement(s) : No hazard statement.  
Precautionary Statement(s) :  
Prevention : Not required.  
Response : Not required.  
Storage : Not required.  
Disposal : Not required.  
Other Hazards : Combustibility.  
Keep away from ignition sources such as heat/sparks/open flames.  
Vapors from this product at high temperatures(above 150 ) may irritate respiratory passages.  
Inhalation of decomposition products of this material may cause polymer fume fever, a temporary flu-like illness accompanied by fever, chills, and sometimes cough, of approximately 24 hours duration.

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s):

Chemical Name /Generic Name	CAS#	EC#	EU Classification	EU Labelling	USA OSHA PEL	ACGIH TLV	EU ILV	DFG MAK
Synthetic silicone base oil	Confidential	Confidential	None	None	Not established	Not established	Not established	Not established
Lithium soap thickener	Confidential	Confidential	None	None	Not established	Not established	Not established	Not established
Additive (Poly tetra fluoro ethylene )	Confidential	Confidential	None	None	Not established	Not established	Not established	Not established

Carcinogen:

Chemical Name:None. CAS#: Reference:

No component of this product is listed as a human carcinogen or a potential carcinogen in IARC Monographs, U.S. NTP OSHA regulation and Annex VI of Regulation (EC) 1272/2008.

PBT substance and vPvB substance:

Chemical Name:None. CAS#: Category:

No component of this product is a PBT or vPvB substance under Regulation (EC)1907/2006.

### SECTION 4 FIRST AID MEASURES

Inhalation : Remove exposed person to fresh air if adverse effects are observed.

Ingestion : Do not make person vomit unless directed to do so by medical personnel.

Eye : Flush immediately with water for at least 15 minutes.

Get immediate medical attention.

Skin : Wash with soap and water. Get medical attention if irritation develops.

Note to Physicians : Treat symptomatically.

## SECTION 5 FIRE FIGHTING MEASURES

- Extinguishing Media :  
Extinguishing Media : Use water fog, foam, dry chemical or carbon dioxide to extinguish flames.  
Unsuitable : DO NOT use forcible water.  
Extinguishing Media :  
Special Fire : Wear self-contained breathing apparatus and protective clothing.  
Fighting Procedures :  
Unusual Fire and Explosion Hazards : Not known.  
Special Hazards Arising from the Substance or Mixture:  
Hazardous Combustion : CO, CO<sub>2</sub>, SiO<sub>2</sub>, HF, COF<sub>2</sub>.  
Products : Decomposition at flame temperatures may form toxic fluorine compounds. Avoid breathing decomposition products.  
Other Properties : None.  
Advice for firefighters : None.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

- Personal precautions protective equipment and emergency procedures : Eliminate all ignition sources. Evacuate surrounding areas.  
Environmental Precautions : Should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.  
Methods and Material for Containment and Cleaning up : Sweep material and place in a disposal container.  
Dispose of via a licensed waste disposal contractor.  
Reference to Other Sections : None.

## SECTION 7 HANDLING AND STORAGE

- Precautions for Safe Handling : Put on appropriate personal protective equipment (see SECTION8).  
Workers should wash hands and face before eating, drinking and smoking.  
Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use.  
Empty containers retain product residue and can be hazardous.  
Do not reuse container.  
Conditions for Safe Storage Including Any Incompatibilities : Store in a cool, dry place with adequate ventilation.  
Keep away from open flames and high temperatures.  
Specific End Uses : Lubricating grease.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Control Parameters : None.  
Exposure Controls:  
Engineering Controls : When mist is generated, the limited part should be ventilated.  
Personal Protection Equipment(s):  
Respiratory Protection : Not Required      Not ordinarily required.  
Eye/Face Protection : Required      Wear safety glasses.  
Skin Protection : Required      To prevent contact, wear impervious clothing such as gloves, apron.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties:

Appearance : Smooth, white, semi-solid

Odor : Odorless.

pH : No data available.

Boiling Point/Range(°C) : Not applicable.

Melting Point/Range(°C) : Not applicable.

Decomposition Temperature(°C) : Not applicable.

Flash Point(°C) : > 200 (SETA)

Flammable (Explosive) Limits : No data available.

Autoignition Temperature(°C) : No data available.

Flammability : No data available.

Explosive Properties : Not applicable.

Oxidizing Properties : Not applicable.

Vapor Pressure : No data available.

Vapor Density : No data available.

Density/Specific Gravity : Ca. 1.1 (25°C)

Water Solubility : Negligible.

Fat Solubility : No data available.

Partition Coefficient  
(n-Octanol/Water) : No data available.

Percent Volatile(%) : No data available.

Evaporation Rate : Not applicable.

Viscosity(m Pa s) : Not applicable.

Other Information : None.

## SECTION 10 STABILITY AND REACTIVITY

Reactivity : Not known.

Chemical Stability : Stable

Possibility of Hazardous Reactions

: Will not Occur

Conditions to Avoid : Heat, sparks, flames, and other ignition sources.

Incompatible Materials : Avoid heating the product above 260°C.

Heat, sparks, flames, and other ignition sources.

Acids. Oxidizing agents such as H<sub>2</sub>O<sub>2</sub>, permanganates and perchlorates. Halogens and halogenated compounds.

Hazardous Decomposition Products

: CO, CO<sub>2</sub>, SiO<sub>2</sub>, HF, COF<sub>2</sub>.

## SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity :

Oral rats LD50: > 5000 mg/kg(Base oil)

Dermal:No data available.

Inhalation (vapor):No data available.

Inhalation (mist):No data available.

Skin corrosion/irritation : No data available.

Eye damage/irritation : No data available.

Sensitization-Respirator : No data available.

Sensitization-Skin : No data available.

Germ cell mutagenicity : No data available.

Carcinogenicity : Base oil, Thickener, Additives:Not listed by LARC, OSHA, NTP, EU, and ACGIH.

Reproductive toxicity : No data available.

Specific target organ toxicity -  
Single exposure : No data available.

Specific target organ toxicity-  
Repeated exposure : No data available.

Aspiration Hazard : No data available.

Others : Vapors(formaldehyde may release )from this product at high  
temperatures( above 150°C) may irritate respiratory passages.  
So, use adequate ventilation when this product is heated at  
approximately 150°C and above in the presence of air.

## SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic : No data available.

Terrestrial : No data available.

Persistence/Degradability : No data available.

Bioaccumulative potential : No data available.

Mobility in soil : No data available.

Results of PBT and vPvB assessment

: None.

Other Adverse Effects : None.

## SECTION 13 DISPOSAL CONSIDERATIONS

Waste Treatment Methods : Place contaminated materials in disposable containers and  
dispose of in a manner consistent with applicable regulations.  
Contact local environmental or health authorities for approved  
disposal of this material.

## SECTION 14 TRANSPORT INFORMATION

UN# : None.

UN Proper Shipping Name : None.

Transport Hazard Class(es) : None.

Packing Group : None.

Environmental Hazards :

Marine Pollutant : NO

Special Precautions for User : None.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:  
None.

## SECTION 15 REGULATORY INFORMATION

### EU Information:

Classification(EC1272/2008) : See SECTION 2.

Hazardous Component(s) : None.

Classification(67/548/EEC  
or 1999/45EC)

Symbol & Indication : Not required.

R-Phrase : Not required.

S-Phrase : Not required.

Dangerous Component(s) : None.

Special Precautions under 67/548/EEC Article 8 and 13 or 1999/45/EC Annex V  
: Not required.

Specific Provisions in Relation to Protection of Man or the Environment

76/769/EEC : Not regulated.

(EC)2037/2000 : Not regulated.

(EC)304/2003 : Not regulated.

(EC)1907/2006 Title VII : Not regulated.

(EC)1907/2006 Title VIII : Not regulated.

### USA Information:

Information on the Label under OSHA HCS:

Signal Word(s) : Not required.

Hazard statement(s) : Not required.

Pictogram(s) : Not required.

Precautionary statement(s) : Not required.

Hazardous Component(s) : Not required.

SARA Title III 313:

Chemical Name : None. Wt%:

California Proposition 65:

Chemical Name : None. Wt%:

## SECTION 16 OTHER INFORMATION

Other Information : None.

### Literature Reference:

- : U.S. Department of Labor, 29CFR Part 1910.
- : U.S. Environmental Protection Agency, 40CFR Part 372.
- : U.S. Consumer Product Safety Commission, 16CFR Part 1500.
- : ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices.
- : U.S. Department of Health and Human Services National Toxicology Program, Annual Report on Carcinogens.
- : World Health Organization International Agency for Research on Cancer, IARC Monographs on the Evaluation on the Carcinogenic Risk of Chemicals to Humans.
- : EU Regulation (EC)1005/2009, (EU)649/2012,(EC)1907/2006, (EC)1272/2008 and their amendments.

Abbreviations:

- EU : European Union.
- CLP : Regulation in the European Union through classification and labelling of chemicals.
- OSHA HCS : Occupational Safety and Health Act, Hazard Communication Standard.(USA)
- GHS : Globally Harmonized System of Classification and Labelling of Chemicals.
- OSHA PEL : PEL (Permissible Exposure Limit) under Occupational Safety and Health Administration.
- ACGIH TLV : TLV (Threshold Limit Value) under American Conference of Governmental Industrial Hygienists.
- EU ILV : Indicative Limit Values for Occupational Exposure under EU Directive 91/322/EEC, 2000/39/EC and 2006/15/EC.
- PBT : Persistent,Bioaccumulative and Toxic.
- vPvB : very Persistent and very Bioaccumulative.

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