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## Safety Data Sheet

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

MAINTENANCE GREASE

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

Lubricating Grease

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

Manufacture's name: Roland DG Corporation  
Address: 1-6-4 Shinmiyakoda, Kita-ku, Hamamatsu-shi,  
Shizuoka-ken, 431-2103  
JAPAN  
Phone: + 81-53-484-1224  
Fax: + 81-53-484-1226

E-mail Address:

Reversed date: 28 December, 2015

#### 1.4. Emergency telephone:

### 2. Hazard identification

#### 2.1. Classification of the substance or mixture

This product is classified as dangerous according to GHS.

Sensitization - skin	Category 1
Germ cell mutagenicity	Category 2
Specific target organ toxicity (Repeated exposure)	Category 2
Hazardous to the aquatic environment - acute hazard	Category 3
Hazardous to the aquatic environment - long-term hazard	Category 3

## 2.2. GHS label elements, including precautionary statements

Pictogram



Signal word(s)

Warning

Hazard statement(s)

May cause an allergic skin reaction.  
 Suspected of causing genetic defects.  
 May cause damage to organs through prolonged or repeated exposure.  
 Harmful to aquatic life.  
 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

Prevention

Do not handle until all safety precautions have been read and understood.  
 Do not breathe dust/fume/gas/mist/vapours/spray.  
 Avoid release to the environment.  
 Wear protective gloves/protective clothing/eye protection/face protection.

Response

IF ON SKIN: Wash with plenty of soap and water.  
 IF exposed or concerned: Get medical advice/attention.

## 2.3. Other hazards

Potential Health Effects:

Eyes:

Contact with eye will be irritating.

Skin:

Contact with skin may cause irritation, swelling or redness, allergy and/or sensitization.

Inhalation:

Exposure to vapors (mist) may cause genetic defects.

Ingestion:

May cause injury of mouth ,throat, and stomach.

Chronic Health Hazards:

Repeated skin contact may cause a persistent irritation or dermatitis.

Carcinogenicity:

None of the ingredients in this product is listed by IARC as a carcinogen. (1,2A and 2B)

## 3. Composition/information on ingredients

**Chemical nature:** mixture

Composition	CAS No.	EC No.	EU registration No.	% By Weight	Classification EC No. 1272/2008
Mineral oil	-	-	N/A for the moment	<10	Acute Tox.4(Inhalation): H332 Skin Irrit. 2: H315 Skin Sens. 1: H317 Muta. 2: H341 STOT SE 2: H371 STOT RE 1: H372 Aquatic Chronic 2: H411

\*For the full text of the H-Statements mentioned in this Section, see Section 16.

#### 4. First aid measures

##### 4.1. Description of first aid measures

- Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during flushing. Call a physician.
- Skin: In case of contact, immediately flush with plenty of water while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. If swelling or redness occurs, call a physician.
- Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- Ingestion: If swallowed, DO NOT induce vomiting. Seek immediate medical advice.

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

- Eyes: Contact with eye will be irritating.
- Skin: Contact with skin may cause irritation, swelling or redness, injury, dermatitis, allergy and/or sensitization.
- Inhalation: Vapors or mist, especially as generated from heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause genetic defects.
- Ingestion: May cause injury of mouth ,throat, and stomach.

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

No information

#### 5. Firefighting measures

##### 5.1. Extinguishing media

Suitable extinguishing media:

Use spray foam, foam, powder or CO<sub>2</sub> gas extinguishing media.

Unsuitable extinguishing media:

Water must not be used to extinguish.

##### 5.2. Special hazards arising from the substance or mixture

No data available

##### 5.3. Advice for firefighters

Wear self-contained breathing apparatus (SCBA) and full protective equipment.

Applying direct water may be dangerous because fire may expand to surroundings.

## 6. Accidental release measures

### General:

Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill. Absorb spill with sand or earth then place in a chemical waste container.

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

Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus and wear appropriate personal protective equipment.

### 6.2. Environmental precautions

Take care not to be drained into river and drain.

### 6.3. Methods and material for containment and cleaning up

Remove with a spatula or shovel, or a cloth. Wipe off remainder.

### 6.4. Reference to other sections

Refer to “Section 8 Exposure controls/ personal protection” and “Section 13 Disposal consideration” as appropriate.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with flame, sparks and heated objects. Do not allow unnecessary dispersion of vapor.

Take steps to prevent static electricity, and use conductive work clothes and shoes if necessary.

Remove completely it in the safety area, if the mechanical equipment are repaired and are processed.

Wear protector, if there is possibility of skin contact or eye contact.

Avoid inhalation of vapor or mist.

Containers must be sealed.

The vapor from petroleum products builds up easily as it is heavier than air. It is therefore necessary to ensure adequate ventilation and take care with fire.

Handling should be done at room temperature. Prevent contamination of water and impurities.

Avoid contact with halogens, strong acids, alkaline substances and oxidants.

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

Protect from sunlight. Store in a well-ventilated place.

Avoid heat, sparks, flames and any build-up of static electricity.

Avoid contact and storing with halogens, strong acids, alkaline substances and oxidants.

Don't turn the heat to an empty container.

Don't cut, weld, heat, or make the hole the container. Traces might ignite attended with the explosion.

### 7.3. Specific end use(s): Lubricating Grease

## 8. Exposure controls/ personal protection

### 8.1. Control parameters

US:

components	ACGIH
Mineral oil	TWA: 5mg/m <sup>3</sup> (as mist)

### 8.2 Exposure controls:

Occupational Exposure controls: If the vapor arises, ventilation equipment or closing of vapor source is needed.

Personal protective equipment:

Eye protection: If necessary, wear safety glasses with side shields .

Skin protection:

Wear the long sleeve work wear of the resistance to oil if handling or getting wet for a long term.

Hand protection:

Wear the resistance to oil if coming in contact repeating for a long term.

Respiratory protection:

If necessary, wear hazard mask.

Hygiene measures:

Take off and wash the wet clothes, and use again.

Environmental exposure controls:

Avoid release to the environment.

## 9. Physical and chemical properties

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

Appearance:	Light brown semisolid
Odor:	Slightly
pH:	Not applicable
Boiling point (deg.C)	No data available
Flash point (deg.C)	Over 200 deg.C (SETA)
Flammability	No data available
Explosive properties:	Upper: 7wt%, Lower: 1wt% (Base oil)
Relative density:	No data available
Oxidizing properties:	No data available
Vapor pressure:	No data available
Solubility:	No data available
Solubility in water	Insoluble
Partition coefficient: n-octanol/water:	No data available
Viscosity:	No data available
Melting Point :	No data available
Evaporation Rate	No data available
Vapor Density	No data available

### 9.2. Other information: No information

**10. Stability and reactivity**

- 10.1. Reactivity: No reaction with water  
10.2. Chemical stability: Stability at room temperature  
10.3. Possibility of hazardous reactions: Not expected  
10.4. Conditions to avoid: Heating, high temperatures, and contact hazardous material  
10.5. Incompatible materials: Avoid contact with acids, amines, free radical initiators, oxidizing agents.  
10.6. Hazardous decomposition products: No data available.

**11. Toxicological information**

## 11.1. Information on toxicological effects

- Acute toxicity: No data available  
Serious eye damage/eye irritation: No data available  
Skin corrosion/irritation: No data available  
Respiratory or skin sensitisation: No data available  
Germ cell mutagenicity: No data available  
Reproductive toxicity: No data available  
Carcinogenicity: Suspected of causing genetic defects.(Mineral oil)  
None of the ingredients in this ink is listed by IARC as a carcinogen. (1,2A and 2B)  
STOT-single exposure: No data available  
STOT-repeated exposure: No data available  
Aspiration hazard: No data available  
May cause damage to organs through prolonged or repeated exposure.(Mineral oil)

**12. Ecological information**

## 12.1. Toxicity:

The followings are according to the data on mineral oil.

Harmful to aquatic life.  
Harmful to aquatic life with long lasting effects.

## 12.2. Persistence and degradability:

No data available

## 12.3. Bioaccumulative potential:

No data available

## 12.4. Mobility in soil:

No data available

## 12.5. Results of PBT and vPvB assessment:

Has not carried out PBT and vPvB assessment.

## 12.6. Other adverse effects:

No data available

**13. Disposal considerations**

## 13.1. Waste treatment methods:

This product is considered as a hazardous waste according to Directive 2008/98/EC.

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. Do not flush to surface water or sanitary sewer system.

#### 14. Transport information

- 14.1. UN Class/UN Number:  
ADR/ADG/DOT, IMDG, or IATA : Not regulated
- 14.2. UN proper shipping name:  
ADR/ADG/DOT, IMDG, or IATA : Not regulated
- 14.3. Transport hazard class(es):  
ADR/ADG/DOT, IMDG, or IATA : Not regulated
- 14.4. Packing group:  
ADR/ADG/DOT, IMDG, or IATA : Not regulated
- 14.5. Environmental hazards:  
ADR/ADG/DOT, IMDG, or IATA : Not regulated
- 14.6. Special precautions for user: Transport and storage of the product in accordance with general precautions and instructions mentioned in this SDS.
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and IBC code: Not regulated

#### 15. Regulatory information

##### US information:

##### Toxic Substances Control Act (TSCA):

All components of this product are listed on the TSCA Inventory.

##### SARA Title III:

Section 313: Not regulated

California; Proposition 65: Not regulated

##### EU information:

Chemical Safety Assessment according to (EC)1907/2006:

This product has not carried out any Chemical Safety Assessment yet.

##### Australia Information:

**Hazardous statement:** Classified as hazardous according to NOHSC criteria.

##### International Information:

None of the ingredients in this ink is listed by IARC as a carcinogen. (1,2A and 2B)

#### 16. Other information

List of relevant H-Statements:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H332 Harmful if inhaled.
- H341 Suspected of causing genetic defects.
- H371 May cause damage to organs.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

The information in this Safety Data Sheet (SDS) is believed to be 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. It is subject to revision as additional knowledge and experience is gained. Roland DG does not warrant the completeness or accuracy of the information contained herein.