

Safety Data Sheet

1. Product and Company Identification

Product name:

MAINTENANCE GREASE

Manufacture:

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

Importer/Supplier:

Roland DGA Corporation

Address:

15363 Barranca Parkway Irvine, CA 92618-2201
U.S.A.

Phone:

949-727-2100

Fax:

949 727 2112

Emergency telephone:

949-727-2100

Use of the product:

Lubricating Grease

Date of issue:

28 December, 2015

2. Hazard Identification

2.1 Emergency Overview:

Appearance and odor:

Light brown semisolid

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

Category 3

environment - acute hazard

Hazardous to the aquatic

Category 3

environment - long-term hazard

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.

2.2. OSHA regulatory status

This product is considered hazardous material by the OSHA Communication Standard (29 CFR 1910.1200)

2.3. Potential health effects

Likely route of exposure:

Eye, skin, inhalation or oral.

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)

See section 11 for more information.

2.4. Potential environmental effects

See section 12 for Ecological information.

3. Composition/Information on Ingredients

Composition	CAS No.	% By Weight	Classification HCS
Mineral oil	-	<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

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

4. First Aid Measures

4.1. First aid procedures

- 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. Note to physicians

May cause skin and eye irritation. Excessive inhalation of mist will cause respiratory irritation.

5. Fire Fighting Measures

5.1. Flammable properties:

Hazardous decomposition products: Carbon monoxide, carbon dioxide, oxides of nitrogen, toxic gases/vapors.

Flash point: Over 200 deg.C (SETA)

5.2. Extinguishing media

Suitable extinguishing media:

Use spray foam, foam, powder or CO₂ gas extinguishing media.

Unsuitable extinguishing media:

Water must not be used to extinguish.

5.3. Protection of fire fighters

Special hazards arising from the substance or mixture

Toxic and irritating fume and/or gases may generate by combustion.

Protective equipment and precautions 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

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.

If the medicine is used for the sea, it should be suits the standard in the technology that provides by the transportation ministerial ordinance.

6.3. Methods for containment

Dike spilled product.

6.4. Methods for Clean-up

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

6.5. Other information

No information

6.6. Spill or leak statements by type of chemical

Eliminate all ignition sources. Use appropriate personal protective equipment (PPE). Absorb and/or contain spill with inert sand, then place in suitable container.

7. Handling And Storage

7.1. 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. Storage

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.

8. Exposure Controls/Personal Protection

8.1. Exposure Guidelines

US:

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

8.2. Engineering controls

If the vapor arises, ventilation equipment or closing of vapor source is needed.

8.3. Personal protective equipment (PPE)

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.
General hygiene measures:	Take off and wash the wet clothes, and use again.

9. 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
Volatile organic compounds (VOC) content:	No data available

10. Stability and Reactivity

10.1. Reactivity:	No reaction with water
10.2. Possibility of hazardous reactions:	Not expected
10.3. Chemical stability:	Stability at room temperature
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

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 May cause an allergic skin reaction.(Mineral oil)
Germ cell mutagenicity:	No data available Suspected of causing genetic defects.(Mineral oil)
Reproductive toxicity:	No data available
Carcinogenicity:	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 May cause damage to organs through prolonged or repeated exposure.(Mineral oil)
Aspiration hazard:	No data available

12. Ecological Information

Ecotoxicity:	
The followings are according to the data on mineral oil.	Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Persistence/Degradability:	No data available
Bioaccumulation/Accumulation:	No data available
Mobility in environment media:	No data available
Other adverse effects:	No data available

13. Disposal Considerations

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.

16. Other information

NFPA 704: Hazard Rating System

Health - 2 , Flammable - 0 , Reactivity - 0

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

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.