

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product Identifier:****Product Name:** LUBE, SE1107 GREASE**Product Code:** FY9-6036**Relevant Identified Uses:** Lubricants and additives**Company:** Canon Inc.**Address:** 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan**SECTION 2 HAZARDS IDENTIFICATION****Emergency Overview:**

White grease, odorless.

US Regulatory Status under OSHA HCS:

Not classified as hazardous.

US Label Elements under OSHA HCS:**Signal Word:** Not required**Hazard Warning:** Not required**Safety Advice:** Not required**Hazardous Component:** Not required**EU Classification under 1999/45/EC:**

Not classified as dangerous.

EU Label Elements under 1999/45/EC:**Symbol & Indication:** Not required**R-Phrase:** Not required**S-Phrase:** Not required**Dangerous Component:** Not required**Applicable Label Elements in accordance with Annex V to 1999/45/EC:**

Not required

Other Hazards:

None

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Mixture: Mixture

Ingredient(s):

Chemical Name/ Generic Name	CAS #/ EC #	Concentration/ Concentration Range (%)	EU Classification according to 67/548/EEC	EU Classification according to (EC) No 1272/2008	Note to Other Hazards* ²
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No hazardous ingredients.

- *1 Full texts of R-phrases and Hazard statement(s) are listed in SECTION 16
- *2 The following substance(s) is (are) marked with (1), (2) and/or (3)
 - (1) Substance for which Occupational Exposure Limit(s) is (are) established (See SECTION 8)
 - (2) PBT substance or vPvB substance under Regulation (EC) No 1907/2006
 - (3) Substance listed in Candidate List of SVHC for Authorisation under Regulation (EC) No 1907/2006

Carcinogen(s):

No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Part 3 of Annex VI to Regulation (EC) No 1272/2008.

SECTION 4 FIRST AID MEASURES

First Aid Measures:

Inhalation:

If symptoms are experienced remove source of contamination or move victim to fresh air.
 If irritation persists, obtain medical advice.

Ingestion:

If irritation or discomfort occur, obtain medical advice.

Skin:

If irritation does occur flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

Eye:

If irritation occurs, flush eye(s) with lukewarm gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

Most Important Symptoms and Effects, both Acute and Delayed:

Inhalation:

No adverse effects are expected under intended use.

Ingestion:

No adverse effects are expected under intended use.

Skin:

No health effects expected under intended use.

Eye:

May cause temporary discomfort.

Chronic Effects:

No adverse effects are normally expected.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

None

SECTION 5 FIRE FIGHTING MEASURES**Extinguishing Media:****Suitable Extinguishing Media:**

On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

Unsuitable Extinguishing Media:

Not known

Special Hazards:

None

Hazardous Combustion Products:

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Toxic vapours of fluorinated compounds.

Advice for Fire-fighters:

Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

SECTION 6 ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear proper protective equipment.

Environmental Precautions:

Do not allow large quantities to enter drains or surface waters.

Methods and Material for Containment and Cleaning Up:

Scrape up and place in a container fitted with a lid. The spilled product produces an extremely slippery surface.

SECTION 7 HANDLING AND STORAGE**Precautions for Safe Handling:**

Use with adequate ventilation. At temperatures above 482F/250C this material may produce highly toxic gaseous compounds such as hydrogen fluoride and perfluorohydrocarbons. Provide adequate ventilation or use the appropriate respiratory protection if the possibility of exceeding 482F/250C exists. Avoid contamination of tobacco products.

Fluoropolymers on tobacco goods may cause adverse health effects by inhalation of the decomposition products. Employees should wash their hands and face before eating, drinking or using tobacco products.

Avoid eye contact. Do not empty into drains.

Conditions for Safe Storage, Including Any Incompatibilities:

Do not store with oxidizing agents.

Storage temperature: minimum 0 °C, maximum 40 °C

Specific End Uses:

Lubricants and additives

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters:	USA OSHA PEL	ACGIH TLV	EU OEL
Product (Ink)	Not established	Not established	Not established
Ingredient(s)	Not established	Not established	Not established

Exposure Controls:

Engineering Controls: Ventilation : Refer to Section 7

Individual Protection Measures:

- Eye/Face Protection:** Required Not Required
 Safety glasses should be worn.
- Skin Protection:** Required Not Required
- Respiratory Protection:** Required Not Required

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties:

Appearance:	White Grease
Odor:	None
pH:	Not determined
Melting Point/Freezing Point (°C):	Not determined
Initial Boiling Point and Boiling Range (°C):	Not determined
Flash Point(°C):	Not applicable
Evaporation Rate:	Not determined
Flammability:	Not determined
Upper/Lower Flammable or Explosive Limits:	No data available
Vapor Pressure :	Not determined
Vapor Density :	Not determined
Relative Density:	Not determined
Water Solubility :	Not determined
Fat Solubility :	
Partition Coefficient (n-Octanol/Water):	Not determined
Auto-ignition Temperature (°C):	Not determined
Decomposition Temperature(°C):	Not determined
Viscosity (mPa s):	Not determined
Explosive Properties:	Not determined
Oxidizing Properties:	Not determined
Other Information:	Not available

SECTION 10 STABILITY AND REACTIVITY

Reactivity: Not known

Chemical Stability: Stable Unstable

Possibility of Hazardous Reactions: Not known

Conditions to Avoid: Not established

Incompatible Materials: Can react with strong oxidising agents

Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Toxic vapours of fluorinated compounds.

SECTION 11 TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

Acute Toxicity:

Inhalation:

No adverse effects are normally expected.

Ingestion:

No adverse effects are normally expected.

Corrosivity/Irritation:

Skin:

No adverse effects are normally expected.

Eye:

May cause temporary discomfort.

Sensitization:

Skin:

No data available

Repeated Dose Toxicity:

No data available

Carcinogenicity:

No data available

Mutagenicity:

No data available

Toxicity for Reproduction:

No data available

Other Information:

This product contains (a) powder(s) hazardous by inhalation. This is not relevant to the current physical form of the product, which is not in a respirable form.

Thermal decomposition may produce Hydrogen Fluoride (HF) fumes which are highly toxic.

Inhalation of fumes from fire decomposition of polytetrafluoroethylene (Teflon) is known to cause polymer fume fever.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity: No adverse effects on aquatic organisms are predicted.

Persistence and Degradability: Solid material, insoluble in water. No adverse effects are predicted.

Bioaccumulative Potential: No bioaccumulation potential.

Mobility in Soil: No adverse effects on bacteria are predicted.

Results of PBT and vPvB Assessment: No results that the component(s) of this ink meet(s) the PBT or vPvB criteria under Regulation (EC) No 1907/2006.

Other Adverse Effects: No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Treatment Methods:
Disposal should be subject to federal, state and local laws.

SECTION 14 TRANSPORT INFORMATION

UN Number: None

UN Proper Shipping Name: None

Transport Hazard Class: None

Packing Group: None

Environmental Hazards: Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.

Special Precautions for User: None

SECTION 15 REGULATORY INFORMATION

< USA Information >

SARA Title III §313:

<u>Chemical Name</u>	<u>Weight %</u>
<u>None</u>	

California Proposition 65:

<u>Chemical Name</u>	<u>Weight %</u>
<u>None</u>	

< EU Information >

Safety, Health and Environmental Regulations/Legislation:

(EC) No 1907/2006: Authorisation: Not regulated

Restriction: Not regulated

(EC) No 1005/2009: Not regulated

(EC) No 850/2004: Not regulated

(EC) No 649/2012: Not regulated

Others: None

Chemical Safety Assessment under (EC) No 1907/2006: Not required

< Canada Information >

WHMIS Controlled Product: Not a controlled product

< Australia Information >

Statement of Hazardous Nature: Not classified as hazardous according to criteria of NOHSC.

SECTION 16 OTHER INFORMATION

<EU SDS information>

This safety data sheet (SDS) is supplied voluntarily.

<Revised information from the previous version>

SECTION 1

Literature References:

- 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 Directive 1999/45/EC
- EU Regulation (EC) No 1907/2006, (EC) No 1272/2008, (EC) No 1005/2009, (EC) No 850/2004, (EC) No 649/2012
- Canada Workplace Hazardous Materials Information System
- Australia National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substance [NOHSC:1008]

Abbreviations:

- OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
- FHSA: Federal Hazardous Substances Act (USA)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- SVHC: Substances of Very High Concern
- IARC: International Agency for Research on Cancer
- NTP: National Toxicology Program (USA)
- OSHA PEL: PEL(Permissible Exposure Limit) under Occupational Safety and Health Administration (USA)
- ACGIH TLV: TLV(Threshold Limit Value) under American Conference of Governmental Industrial Hygienists
- EU OEL: Occupational exposure limits at Community level under Directive 2004/37/EC, 98/24/EC, 91/322/EEC, 2000/39/EC, 2006/15/EC and 2009/161/EU
- TWA: Time Weighted Average
- STEL: Short Term Exposure Limit
- WHMIS: Workplace Hazardous Materials Information System
- NOHSC: National Occupational Health and Safety Commission

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