

SAFETY DATA SHEET

UV GREASE

ITEM NUMBER: U000-000 (1 pound) and U000-001 (8 pound)

Version 1.2	Revision Date: 04/29/2015	MSDS Number: 681082-00003	Date of last issue: 03/25/2015 Date of first issue: 10/28/2014
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SECTION 1. IDENTIFICATION

Product name UV GREASE

Manufacturer or supplier's details

Company name of supplier : UV Process Supply, Inc.

Address 1229 W Cortland Street
Chicago, IL 60614

Telephone : (773) 248-0099

Emergency telephone ~ 24 Hour Emergency Telephone : (989) 496-5900
CHEMTREC : (800) 424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Lubricants and lubricant additives

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

Other hazards

None known

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Mixture

Silicone grease

Hazardous ingredients Lithium stearate

SECTION 4. FIRST AID MEASURES

If inhaled ~ If inhaled, remove to fresh air.
Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution.

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Get medical attention if symptoms occur.

In case of eye contact ~ Flush eyes with water as a precaution.
Get medical attention if irritation develops and persists.

If swallowed ~ If swallowed, DO NOT induce vomiting.
Get medical attention if symptoms occur.
Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed ~ None known.

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray
Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical

Unsuitable extinguishing media None known.

Specific hazards during fire fighting Exposure to combustion products may be a hazard to health.

Hazardous combustion products: Carbon oxides
Silicon oxides
Formaldehyde
Metal oxides

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

Special protective equipment for fighters: Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Follow safe handling advice and personal protective equipment recommendations.

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Environmental precautions	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	Use only with adequate ventilation.
Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	Do not store with the following product types: Strong oxidizing agents

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Lithium stearate	4485-12-5	TWA	10 mg/m3	ACGIH

Engineering measures Processing may form hazardous compounds (see section 10).
Ensure adequate ventilation, especially in confined areas.
Minimize workplace exposure concentrations.

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Personal protective equipment

Respiratory protection General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Remarks

Wash hands before breaks and at the end of workday.

Eye protection

Wear the following personal protective equipment:
Safety glasses

Skin and body protection

Skin should be washed after contact.

Hygiene measures

Ensure that eye flushing systems and safety showers are located close to the working place.
When using do not eat, drink or smoke.
Wash contaminated clothing before re-use.
These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	~ Grease
Color	~ white to off-white
Odor	~ slight
Odor Threshold	~ No data available
pH	~ Not applicable
Melting point/freezing point	~ No data available
Initial boiling point and boiling range	~ Not applicable
Flash point	~ > 101.1 °C Method: closed cup
Evaporation rate	~ Not applicable

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Flammability (solid, gas)	~ Not classified as a flammability hazard
Upper explosion limit	~ No data available
Lower explosion limit	~ No data available
Vapor pressure	~ Not applicable
Relative vapor density	~ No data available
Relative density	~ 1.1
Solubility(ies) Water solubility	~ No data available
Partition coefficient: n- octanol/water	~ No data available
Autoignition temperature	~ No data available
Decomposition temperature	~ No data available
Viscosity Viscosity, dynamic	~ Not applicable
Explosive properties	~ Not explosive
Oxidizing properties	~ The substance or mixture is not classified as oxidizing.
Molecular weight	~ No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Not classified as a reactivity hazard.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reac- tions	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Hazardous decomposition products will be formed at elevated temperatures.
Conditions to avoid	None known.
Incompatible materials	Oxidizing agents
Hazardous decomposition products Thermal decomposition	Benzene Formaldehyde

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Germ cell mutagenicity

Not classified based on available information.

Ingredients:

Lithium stearate:

Genotoxicity in vitro ~ Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative
Remarks: Based on data from similar materials

Carcinogenicity

Not classified based on available information.

Ingredients:

Lithium stearate:

Species: Mouse
Application Route: Skin contact
Exposure time: 104 weeks
Result: negative
Remarks: Based on data from similar materials

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Ingredients:

Lithium stearate:

Effects on fertility ~ Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat
Application Route: Skin contact

Result: negative
Remarks: Based on data from similar materials

Effects on fetal development ~ Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat
Application Route: Skin contact
Result: negative
Remarks: Based on data from similar materials

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STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Ingredients:

Lithium stearate:

Species: Rat

NOAEL: 88 mg/kg

Application Route: Ingestion

Exposure time: 90 d

Remarks: Based on data from similar materials

Species: Rat

NOAEL: 1,089.75 mg/kg

Application Route: Skin contact

Exposure time: > 43 d

Remarks: Based on data from similar materials

Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Ingredients:

Lithium stearate:

Toxicity to fish

~ LL50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l

Exposure time: 96 h

Test substance: Water Accommodated Fraction Method: OECD Test Guideline 203

Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h

Test substance: Water Accommodated Fraction

Method: OECD Test Guideline 202

Remarks: Based on data from similar materials

Toxicity to algae

~ EC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l

Exposure time: 72 h

Test substance: Water Accommodated Fraction

Method: OECD Test Guideline 201

Remarks: Based on data from similar materials

Toxicity to bacteria

: NOEC: 13 mg/l

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Exposure time: 28 d
Remarks: Based on data from similar materials

Persistence and degradability

Ingredients:

Lithium stearate:

Biodegradability ~ Result: Readily biodegradable.
Biodegradation: 78 %
Exposure time: 28 d
Method: OECD Test Guideline 301 C
Remarks: Based on data from similar materials

Bioaccumulative potential

Ingredients:

Lithium stearate:

Bioaccumulation ~ Species: Fish
Bioconcentration factor (BCF): 0.12
Remarks: Based on data from similar materials

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Resource Conservation and Recovery Act (RCRA) ~ This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging ~ Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulation

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

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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.

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

No SARA Hazards

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know

Dimethyl, phenylmethyl siloxane, trimethyl-terminated	63148-52-7	70-90%
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Lithium stearate	4485-12-5	10-20%
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New Jersey Right To Know

Dimethyl, phenylmethyl siloxane, trimethyl-terminated	63148-52-7	70-90%
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Lithium stearate	4485-12-5	10-20%
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California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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

NZIoC

All ingredients listed or exempt.

REACH

All ingredients (pre-) registered or exempt.

TSCA

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

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PICCS	All ingredients listed or exempt.
KECI	All ingredients listed, exempt or notified.
ENCS/ISHL	All components are listed on ENCS/ISHL or exempted from inventory listing.
IECSC	All ingredients listed or exempt.
AICS	All ingredients listed or exempt.
DSL	All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).
TCSI	All ingredients listed or exempt.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High,
4 = Extreme, * = Chronic

Full text of other abbreviations

ACGIH
ACGIH / TWA

USA. ACGIH Threshold Limit Values (TLV)
8-hour, time-weighted average

Sources of key data used to compile the Material Safety Sheet

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Data Agency, <http://echa.europa.eu/>

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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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