

TECH LINE Coatings

SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: Ultra Gel Tech Assembly Lube

Part Number: UGT

Recommended Use: Lubricant for assembling engine parts

Restrictions on Use:

Manufacturer / Supplier:

For Industrial Use Only

Tech Line Coatings, Inc

Keep out of reach of children.

26844 ADAMS AVE.

Not recommended for use on Medical equipment.

MURRIETA, CA 92562

Not recommended for use on Aviation equipment.

USA

Phone/Fax 1-865-773-0599

Emergency # N. America +1-800-535-5053 Intl. +1-352-323-3500

www.techlinecoatings.com

Section 2 – Hazards Identification

Signal Word:

Warning

Symbols:



Hazard Statements:

Causes skin Irritation

Causes eye irritation

Suspected of causing genetic defects

Suspected of damaging fertility or the unborn child

GHS Classification:

Category

Skin Irritation

3

Eye Irritaiion

3

Germ Cell Mutagenicity

2

Toxic to Reproduction

2

Precautionary Statements:

Store locked up.

Wear protective gloves (chemical proof). Wear eye protection and face protection. Wash hands, face and any exposed skin thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breath heated fumes / vapors.

If swallowed: call a poison center / doctor for medical advice. Do NOT induce vomiting.

If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If injected by high pressure under skin, regardless of the appearance or its size, contact a physician IMMEDIATELY.

If inhaled: If overcome by vapor from hot product, remove person to fresh air and keep comfortable for breathing. Call a poison center / doctor for medical advice.

If in eyes: Rinse cautiously in water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advise / attention.

If exposed or concerned: Get medical advise / attention, from a poison center / doctor.

Dispose of Contents / container in accordance with regulations in your area. See section 13 for additional information.

Section 3 – Composition / Information On Ingredients

Component Name	Common Name / Synonyms	CAS#	% of Weight
Heavy hydrotreated naphthenic distillates (petroleum)		64742-52-5	< 60%
Polybutene		9003-29-6	< 15%
Residual oils (petroleum), solvent dewaxed		64742-62-7	< 10%
12 hydroxystearic acid		106-14-9	< 5%
Polyethylene		9002-88-4	< 5%
Zinc oxide		1314-13-2	< 5%
Molybdenum disulfide		1317-33-5	< 5%
Graphite		7782-42-5	< 2%
Inedible animal grease		68153-81-1	< 2%
Lithium hydroxide monohydrate		1310-66-3	< 1%
Proprietary additive package		Trade secret	< 5%
Carbon black		1333-86-4	< 1%

NOTE: The IP 346 value of the mineral oil is less than 3%

Section 4 – First Aid Measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

Vapor pressure is very low and inhalation at room temperature is not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. In case of skin contact

Remove any contaminated clothing and wash with soap and warm water. If injected by high pressure under skin, regardless of the appearance or its size, contact a physician IMMEDIATELY. Delay may cause loss of affected part of the body.

In case of eye contact

Flush with clear water for 15 minutes or until irritation subsides. If irritation persists, consult a physician.

If swallowed

If ingested, call a physician immediately. Do not induce vomiting.

Section 5 – Fire Fighting Measures

Extinguishing Media: Foam, Dry Chemical, Carbon Dioxide or Water Spray (Fog)	Special Fire Fighting Procedures: Cool exposed containers with water. Use air-supplied breathing equipment for enclosed or confined spaces.
Unusual Fire And Explosion Hazards: Do not store or mix with strong oxidants. Empty containers retain residue. Do not cut, drill, grind, or weld, as they may explode.	Additional Information: Use water spray to cool unopened containers.

Section 6 – Accidental Release Measures

Methods for Containment and Clean Up

- Scrape up grease, wash remainder with suitable petroleum solvent or add absorbent.
- Keep in suitable, marked and closed containers for disposal.
- Warn other workers of spill.
- Wear protective equipment
- NIOSH Approved Respirator

- Gloves
- Safety Glasses
- Do not allow material to be released into the environment.

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information
- See Section 13 for disposal information

Section 7 – Handling And Storage

Handling:

Do not breathe vapors from heated product. Avoid contact with skin and eyes. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing.

Storage:

Keep containers tightly closed when not in use. Keep away from heat and sources of ignition or strong oxidants. Section 8 – Exposure Controls And Personal Protection

Component	ACGIH TLV	OSHA PEL	NIOSH REL
Heavy hydrotreated naphthenic distillates (petroleum)	5 mg/m3 Inhalable fraction.	5 mg/m3 Mist	No data available
Polybutene	No data available	No data available	No data available
Residual oils (petroleum), solvent dewaxed	No data available	No data available	No data available
12 hydroxystearic acid	No data available	No data available	No data available
Polyethylene	No data available	No data available	No data available
Zinc oxide	10 mg/m3	5 mg/m3	5 mg/m3
Molybdenum disulfide	3 mg/m3	15 mg/m3	No data available
Graphite	2 mg/m3	10 mg/m3	2.5 mg/m3
Inedible animal grease	No data available	No data available	No data available
Lithium hydroxide monohydrate	No data available	No data available	No data available
Proprietary additive package	No data available	No data available	No data available
Carbon black	3.5 mg/m3	3.5 mg/m3	3.5 mg/m3

- Engineering Controls: Exhaust ventilation.
Eyewash stations
Use in a well-ventilated area.
- Respiratory Protection: Use NIOSH approved respirator if TWA/TLV limits are exceeded
- Protective Gloves: CHEMICAL RESISTANT
- Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES
- Other Protective Equipment: WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES
- Ventilation: Local Exhaust: Use To Maintain Below TWA Limits
- Mechanical: Use Non-Sparking Equipment
- Work / Hygienic Practices: wash thoroughly after handling product and before eating, drinking or smoking

Section 9 – Physical And Chemical Properties

Form :	liquid
Color :	Black
Odor :	mineral oil odor
Odor Threshold:	Not Established
pH :	No data available
Melting point/range :	No data available
Initial boiling point :	> 288° C.
Flash point :	210° C.
Evaporation Rate:	(Butyl acetate = 1): <0.01
Upper flammability or explosive limits:	7.0% by volume
lower flammability or explosive limits:	0.9% by volume
Vapor pressure	< 0.01
Vapor density	(air =1): > 5
Relative density	No data available
Solubility(ies)	Water: negligible
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not Established

Section 10 – Stability And Reactivity

Stability:	STABLE
Possibility of hazardous reactions:	Hazardous Polymerization: Will not occur.
Conditions to avoid:	Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.
Incompatible Materials:	Oxidizing materials, chlorine
Hazardous Decomposition Products:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides. Oxides of sulfur.

Section 11 – Toxicological Information

Potential Health Effects

Inhalation	SHORT TERM EXPOSURE: Irritation LONG TERM EXPOSURE: Lung damage
Ingestion	SHORT TERM EXPOSURE: Diarrhea, difficulty breathing LONG TERM EXPOSURE: no information on significant adverse effects
Skin	SHORT TERM EXPOSURE: Irritation LONG TERM EXPOSURE: Irritation, skin disorders
Eyes	SHORT TERM EXPOSURE: Irritation LONG TERM EXPOSURE: No information available

Acute Toxicity

Heavy
hydrotreated

naphthenic distillates (petroleum)	Oral LD50	LD50 > 5000 mg/kg , Rat
	Inhalation LC50	LC50 >5 mg/l / 4 h, Rat
	Dermal LD50	LD50 > 5000 mg/kg , Rabbit
Polybutene	Oral LD50	> 34,600 mg/kg oral-rat LD50
	Inhalation LC50	No data available
	Dermal LD50	No data available
Residual oils (petroleum), solvent dewaxed	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available
12 hydroxystearic acid	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available
Polyethylene	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available
Zinc oxide	Oral LD50	LD50 Oral - mouse - 7,950 mg/kg
	Inhalation LC50	LC50 Inhalation - mouse - 2,500 mg/m3
	Dermal LD50	No data available
Molybdenum disulfide	Oral LD50	No data available
	Inhalation LC50	LC50 Inhalation - rat - 4 h - > 2,820 mg/m3 Remarks: Lungs, Thorax, or Respiration:Other changes.
	Dermal LD50	No data available
Graphite	Oral LD50	LD50 Oral - rat - female - > 2,000 mg/kg
	Inhalation LC50	LC50 Inhalation - rat - male and female - 4 h - 2,000 mg/m3
	Dermal LD50	No data available
Inedible animal grease	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available
Lithium hydroxide monohydrate	Oral LD50	LD50 Oral - rat - female - 368 mg/kg
	Inhalation LC50	LC50 Inhalation - rat - male and female - 4 h - > 6.15 mg/l

	Dermal LD50	No data available
Proprietary additive package	Oral LD50	No data available
	Inhalation LC50	No data available
	Dermal LD50	No data available
Carbon black	Oral LD50	LD50 Oral - rat - male and female - > 8,000 mg/kg
	Inhalation LC50	No data available
	Dermal LD50	LD50 Dermal - rabbit - > 3,000 mg/kg

Skin Corrosion/Irritation

Heavy hydrotreated naphthenic distillates (petroleum) Causes skin irritation

Zinc Oxide

Skin - rabbit - Mild skin irritation - 24 h

Lithium hydroxide monohydrate

Skin - in vitro assay

Result: Corrosive

(In Vitro Membrane Barrier Test Method for Skin Corrosion - CORROSITEX)

All other

No data available

Serious Eye Damage/Eye Irritation

Heavy hydrotreated naphthenic distillates (petroleum) Causes eye irritation

Zinc Oxide

Eyes - rabbit - Mild eye irritation - 24 h

All other

No data available

Respiratory Or Skin Sensitization

Heavy hydrotreated naphthenic distillates (petroleum)

Inhalation of vapors or mists may cause irritation to the respiratory system. All other

No data available

Germ Cell Mutagenicity

Zinc Oxide

Genotoxicity in vitro - Hamster - Embryo

Unscheduled DNA synthesis

Genotoxicity in vitro - Hamster - Embryo

Morphological transformation.

Genotoxicity in vitro - Hamster - Embryo

Sister chromatid exchange

Genotoxicity in vivo - guinea pig - Inhalation

Unscheduled DNA synthesis

All other

No data available

Carcinogenicity

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Carbon black)

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

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

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

Carbon Black

Carcinogenicity - rat - Inhalation

Tumorigenic: Carcinogenic by RTECS criteria. Lungs, Thorax, or Respiration: Tumors

Limited evidence of carcinogenicity in animal studies

This product contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Reproductive Toxicity

Zinc Oxide

Developmental Toxicity - rat - Oral

Specific Developmental Abnormalities: Homeostasis Effects on Newborn: Stillbirth. Effects on Newborn: Growth statistics (e.g., reduced weight gain). Lithium hydroxide monohydrate

Lithium and its compounds are possible teratogens by analogy to lithium carbonate which has equivocal human teratogenic data and positive animal teratogenic data.

All other

No data available

Specific Target Organ Toxicity Single Exposure No data available

Specific Target Organ Toxicity Repeated Or Prolonged Exposure No data available

Aspiration Hazard No data available

Section 12 – Ecological Information

General Comments:

Do not allow material to be released into the environment without proper governmental permits

Environmental Toxicity:

Heavy hydrotreated naphthenic distillates (petroleum)

Toxicity to fish LL/EL/IL50 > 100 mg/l

Toxicity to daphnia and other aquatic invertebrates LL/EL/IL50 > 100 mg/l

Polybutene

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

Residual oils (petroleum), solvent dewaxed

Toxicity to fish LL/EL/IL50 > 100 mg/l

Toxicity to daphnia and other aquatic invertebrates LL/EL/IL50 > 100 mg/l

12 hydroxystearic acid

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates	No data available
Polyethylene	
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Zinc oxide	
Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 1.1 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 0.098 mg/l - 48 h
Molybdenum disulfide	
Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) – 609 mg Mo/L – 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 1680 mg Mo/l - 48 h
Graphite	
Toxicity to fish	semi-static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	static test EC50 - Pseudokirchneriella subcapitata - > 100 mg/l - 72 h (OECD Test Guideline 201)
Inedible animal grease	
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Lithium hydroxide monohydrate	
Toxicity to fish	static test LC50 - Danio rerio (zebra fish) - 109 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - ca. 33.5 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	- 41.62 mg/l - 72 h (OECD Test Guideline 201)
Toxicity to bacteria	Respiration inhibition EC50 - Sludge Treatment - ca. 316.8 mg/l - 3 h (OECD Test Guideline 209)
Proprietary additive package	
Toxicity to fish	mortality NOEC - Cyprinodon variegatus (sheepshead minnow) - 6.2 mg/l - 96.0 h LC50 - Cyprinodon variegatus (sheepshead minnow) - 6.2 - 8.3 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	No data available
Carbon black	
Toxicity to fish	LC50 - Danio rerio (zebra fish) - > 1,000 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	static test EC50 - Daphnia magna (Water flea) - > 5,600 mg/l - 24 h (OECD Test Guideline 202)

Toxicity to algae

static test EC50 - Desmodesmus subspicatus (green algae) - > 10,000 mg/l - 72 h
(OECD Test Guideline 201)

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 13 – Disposal Considerations

Waste Disposal Method:

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes

Characteristic Waste:

State or local laws may impose additional regulatory requirements regarding disposal. Classification of waste is always the responsibility of the end user.

Contaminated Packaging

Dispose of as unused product.

Section 14 – Transportation Information

Hazardous for Shipping: No

Based on 49 CFR, IATA and IMDG:

UN Number:

UN Proper Shipping Name:

Hazard Class:

Packing Group:

Labels:

Placards:

Section 15 – Regulations

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All hazardous ingredients are on the TSCA Chemical Substance Inventory.

Component	%	CAS Number	SARA 313	SARA 302	New Jersey RTK List	Pennsylvania RTK List	Massachusetts RTK List	California Prop 65 list
Heavy hydrotreated naphthenic distillates (petroleum)	< 60%	64742-52-5	Yes	No	No	Yes	Yes	No
Polybutene	< 15%	9003-29-6	No	No	Yes	Yes	No	No
Residual oils (petroleum), solvent dewaxed	< 10%	64742-62-7	No data available					
12 hydroxystearic acid	< 5%	106-14-9	No	No	Yes	Yes	No	No
Polyethylene	< 5%	9002-88-4	No	No	Yes	Yes	No	No
Zinc oxide	< 5%	1314-13-2	Yes	No	Yes	Yes	Yes	No
Molybdenum disulfide	< 5%	1317-33-5	No	No	Yes	Yes	Yes	No
Graphite	< 2%	7782-42-5	No	No	Yes	Yes	Yes	No

Inedible animal grease	< 2%	68153-81-1	No data available					
Lithium hydroxide monohydrate	< 1%	1310-66-3	No	No	Yes	Yes	No	No
Proprietary additive package	< 2%	Trade secret	No data available					
Antimony Compounds	< 3%	Trade secret	Yes	No	Yes	Yes	Yes	No
Carbon black	< 1%	1333-86-4	No	No	Yes	Yes	Yes	Yes

SARA 311 / 312 Hazards: Acute Health Hazard, Chronic Health Hazard

Section 16 – Other Information

Date Prepared: 06/23/2014

Date Updated: 12/29/2017

This information is furnished without warranty, representation, inducement or license of any kind, except that it is accurate to the best of Tech Line Coatings, Inc., knowledge or obtained from sources believed by Tech Line Coatings, Inc. to be accurate but does not purport to be all inclusive, and Tech Line Coatings, Inc., does not assume any legal responsibility for use or reliance upon same. Before using any chemical, read its label, instructions and safety data sheet.

