



ULTRA TEF-GEL

Original ULTRA Tef-Gel® lubricates and eliminates corrosion between dissimilar metals by preventing saltwater electrolytes from getting to the surface of those connecting metals. Preventing seizing, galling, and friction welding of stainless steel, Inconel, Aluminum, and other nickel alloys.

Tef-Gel® contains no volatile solvents, will not evaporate, dry out, or wash away in saltwater or detergent, providing long lasting protection and ease of disassembly years later.

The bottom line: ULTRA Tef- Gel Stops saltwater corrosion on all metals. Tef-Gel is waterproof, replacing petroleum greases that wash away and silicone to lubricate.

- Prevention of galvanic corrosion between dissimilar metals
- Eliminates seizing and galling of dissimilar metals
- Lubrication that will not break down, even in salt water or detergents

Use On:

Any screw or bolt installed to

1. - Prevent corrosion between dissimilar metals i.e. stainless screws, bolts or rivets into aluminum (paint blistering, frozen fasteners, outboard motors).
 - Prevent galling on stainless and titanium fasteners, and
 - Discoloration and rot in wood (water cannot get past it).
2. Moving parts to lubricate:
3. Hatch and porthole dogs, hinges and
4. Fighting chairs slides, swivels, locking pins and
5. Outtrigger slides, pulleys, rigging screws.
6. Slide, swivels, snaps etc. Slower moving bearing and cams to:
7. Replace petroleum greases that wash out in 3
8. Enable lifetime use of bearings in hard access like lazzarettcs and furling gears.
9. Replace silicone to lubricate
10. Pump gaskets, heat exchanger parts and PVC fittings to:
 - Stop weeping around endplates, faceplates, heat exchangers and plumbing
 - Allow better sealing and adjustment in PVC
 - Replace grease in shop on Punches presses, drill presses (longer life, smoother operation).
11. Propeller shafts to allow easy removal of propellers (especially splined shafts). Packing in glands to make stuffing box drip free.
12. Use on all your battery ends in flashlights etc. to stop tin oxide formation, making your batteries last much longer.

SAFETY DATA SHEET



1. Identification

Product Identifier	TEF-GEL
Other means of identification	
Product Code	TEF-GEL
Recommended use	Lubricating Grease
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information Manufacturer	
Company name	Ultra Safety Systems
Address	Ultra Safety Systems Inc. 1601 Hill Ave. Suite C Dock 4 Mangonia Park, FL 33407
Telephone	1-800-433-2628
Website	www.tef-gel.com
E-mail	tg@tef-gel.com
Contact person	Robert Mergenthaler
Emergency phone number	561-584-0504
Supplier	Not available.

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The mixture does not meet the criteria for classification.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not otherwise classified(HNOC)	None known
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Get medical attention if irritation develops or persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away.
Methods and materials for containing and cleaning up	Soak up with inert absorbent material. Clean contaminated surface thoroughly. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Clean contaminated surface thoroughly. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Observe good industrial hygiene

Conditions for safe storage, including any incompatibles Store in original tightly closed door.

8. Exposure controls/personal protection

Occupational exposure limits This mixture has no ingredients that have PEL, TVL, or other recommended exposure limit.

Biological limits No biological exposure limits noted for the ingredients.

Appropriate engineering Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary



General hygiene considerations Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove containments.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid. Semi-solid

Color White, Smooth

Odor Slight

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling ranged Not available.

Flash point 590°F(310.0°C) ASTM-D92 LTR_JG090609 04/22/15

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit lower Not available.

(%)

Flammability limit upper Not available.

(%)

Explosive limit lower (%) Not available.

Explosive limit upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Density 1.04 g/cm³

Explosive properties Not explosive.

Flammability class Combustible IIIB estimated

Flash point class Combustible IIIB

Oxidizing properties Not oxidizing.

Percent volatile 0 % estimated

Shelf life 10 years

VOC 0 % estimated

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions Will not occur.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong acids, alkalis and oxidizing agents.

Hazardous decomposition products Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. Toxicological information

Information on likely routes of exposure

Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity	Not available.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at a greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity
Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens
Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

12. Ecological information

Ecotoxicity This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste form residues / unused	Dispose of accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty contains should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

Material name: TEF-GEL

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SARA 313 (TRI reporting)

Not regulated.

Other federal regulators

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/on)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substance List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemical and Chemical Substances (PICCS)	No
Taiwan	Taiwan Toxic Chemical Substances (TCS)	No
United States & Puerto Rico	Toxic Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
 A "No" indicates that one or more components of the product are not listed or exempt for listing on the inventory administered by the governing country

16. Other information, including date of preparation of last revision**Issue date** February-12-2014**Revision date** November-07-2018**Version #** 03

Disclaimer Ultra Safety systems cannot anticipate all conditions under which this information and its product or the products of other manufactures in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

Revision information This document has undergone significant changes and should be review in its entirety.