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. Outrigger slides, pulleys, rigging screws.
6. Slide, swivels, snaps etc. Slower moving bearing and cams to:
7. Replace petroleum greases that wash out in3
8. Enable lifetime use of bearings in hard access like lazaretts 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

<table>
<thead>
<tr>
<th>Product Identifier</th>
<th>TEF-GEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td></td>
</tr>
<tr>
<td>Product Code</td>
<td>TEF-GEL</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Lubricating Grease</td>
</tr>
<tr>
<td>Recommended restrictions</td>
<td>None known.</td>
</tr>
</tbody>
</table>

### 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

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

5. Fire-fighting measures

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

6. Accidental release measures

<table>
<thead>
<tr>
<th>Condition</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal precautions, protective equipment and emergency procedures</td>
<td>Keep unnecessary personnel away.</td>
</tr>
<tr>
<td>Methods and materials for containing and cleaning up</td>
<td>Soak up with inset absorbent material. Clean contaminated surface thoroughly.</td>
</tr>
<tr>
<td>Small Spills</td>
<td>Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination</td>
</tr>
<tr>
<td>Large Spills</td>
<td>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.</td>
</tr>
</tbody>
</table>

Material name: TEF-GEL
TEF-GEL  Version #: 03  Revision date: November-07-2018  Issue date: February-12-2014  SDS US 2 / 7
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 hand 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, alkalies 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.

  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.


SARA 304 Emergency release notification: 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
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 1112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

International Inventories

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

*"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.