

Hazard Scale		Product Rating	
4	Extreme	Fire	0
3	High	Toxicity	0
2	Moderate	Reactivity	0
1	Slight	Health	0
0	Insignificant	Safety	0

Product Name: Bio TFR

SAFE CARE®

Revision Date: 01/02/2010

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Supplier: BIOBASED EUROPE LTD
 Unit 1 Block 7
 Lochshore Industrial Estate
 Caledonian Place
 Glengarnock
 Beith, KA14 3BE

Telephone Number: +44 (0) 1505 682978

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name of the Substance: Proprietary Ternary Non-Ionic Surfactant Compound of biobased ingredients which complies with OSHA 29 CFR XVII-1910.1200 Section (j) "Trade Secrets". Contains no hazardous components under current OSHA definitions. The product does not contain substances which are restricted under TSCA, RCRA, SARA, CERCLA, CAL Prop 65, SCAQMD or CARB.

European Union: None of the components of this product are listed in Annex I to Directive 67/548/EEC or in Annexes II, III or V to Directive 1999/45/EC

3. HAZARDS IDENTIFICATION

Most Important Hazards: None

Specific Hazards: Slight eye irritant. Do not spray into eyes. If irritation does occur, rinse with clean water.

4. FIRST AID MEASURES

General Advice: Not considered toxic or comedogenic to skin. Suggest the use of rubber gloves for prolonged exposure to avoid dryness. General precaution is advised to avoid eye contact irritation.

Inhalation: Non-irritating - No First Aid needed.
Skin Contact: Non-irritating - No First Aid needed.
Eye Contact: Rinse thoroughly with plenty of water.
Ingestion: Non-toxic - No First Aid needed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: None necessary, product does not burn.
Specific Hazards: None necessary
Specific Methods: None necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid prolonged direct contact with skin to avoid skin dryness.

Environmental Precautions: None necessary for the product itself. However, soil contaminated cleaning solution must be disposed of in accordance with federal, state & local laws depending on the type of soil.

Methods for Cleaning Up: Same as other semi-viscous non-toxic liquids. Use absorbent materials, floor squeegee or water rinse as necessary.

7. HANDLING AND STORAGE

Technical Measures/Precautions: None required.

Safe Handling Advice: Product may be slippery when spilled on hard surfaces.
Technical Measures/Storage Conditions: Advise storage above 50°F ambient air temperature to avoid cloud point.
Incompatible Products: None known.
Packaging Material: No restrictions.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Avoid eye contact; product is a slight eye irritant.

Control Parameters: None needed.

Personal Protection Equipment

Respiratory: None needed.

Eye: Recommend safety glasses to avoid eye contact.

Hand: Recommend rubber gloves to avoid skin dryness.

Hygiene Measures: None needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

% Volatile by Volume: 85.5% at 105°C	Melting Point/Range: Not Applicable
Boiling Point/Range: 100°C (212°F)	Odor: Mild coconut and pepper
Color: opaque	pH: 8.2 – 8.8 range
Decomposition Temperature: Higher than 330°C	Relative Density: 8.42 – 8.52 lb/gl
Dielectric Strength: 1.5 KV	Specific Gravity: 1.04 gm/cc
Electric Conductivity: 3.090 F mhos/cm	Surface Tension: 24.73 dynes / cm
Evaporation Rate: 0.7 (slower than water)	Vapor Density: 0.620 psi
Explosive Properties: None	Vapor Pressure: 17.0 mm of Hg @ 20°C
Flash Point: None (Penske Martin Closed Cup)	Viscosity: 7.0 @ 20°C
Form: low viscosity, water-like	Water Solubility: 99.993% (completely water soluble)
Freezing Point: 3°C (37.4°F)	

10. STABILITY AND REACTIVITY

Conditions to Avoid: None known

Materials to Avoid: None known

Hazardous Decomposition Products: None known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Product is essentially non-toxic.

Local Effects: None observed.

Specific Effects: Product is essentially non-toxic.

12. ECOLOGICAL INFORMATION

Non-toxic; non-hazardous; safe for the environment. This product is readily biodegradable according to OECD Method 301B, Modified Sturm Test and OECD Method 301C, MITI Test and USEPA Method 40 CFR 796.3100: Aerobic Aquatic Biodegradation.

13. DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products: May be sewerable or disposable in sanitary land fill, depending upon local disposal regulations.

Contaminated Packaging: Dispose of in accordance with the Environmental Protection (Duty of Care) Regulations 1991 if contaminated with hazardous materials. May be disposed of in neat form.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations. **US DOT Proper Shipping Name:** Soap **US DOT Hazard Class:** 55

15. REGULATORY INFORMATION

Product complies with all known regulatory considerations and is unregulated and not listed as a Hazmat by any agency.

16. OTHER INFORMATION

Recommended Uses: For exterior aircraft cleaning, general purpose cleaning/degreasing of non-ferrous metal parts and metal finish surfaces. The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a performance warranty or quality specification. The information relates only to the specific material designated and is not valid for such material used in combination with any other materials or in any process, unless specified in the text.