1 Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Trade Name: **ULTRA TF LO**

Product Type: Acidic detergent

1.2 Recommended Use: Cleaner/Pre-Soak

1.3 Details of the supplier of the safety data sheet

Company: Woltco Inc.
700 Main Street
Coopersville, MI. 49040

Phone: 1-616-837-7373

1.4 Emergency Information

Contact Info: CHEMTREC: 1-800-424-9300 (24 HOUR RESPONSE)

2 Hazards Identification

2.1 Classification of the substance or mixture

Skin Corrosion:	Category 1	Carcinogenicity:	Category 2
Eye Corrosion:	Category 1	Aspiration Hazard:	Category 2
		Acute toxicity (inhalation, or	Category 4
2.2 Label Elements		Acute toxicity (oral)	Category 3

Symbol(s)

Signal Word: DANGER

Hazard Statements: H302+H305 - Harmful if swallowed or inhaled.
H314 - Causes skin burns and eye damage

Precautionary Statements: P262 - Do not get in eyes, on skin or clothing.
P280 - Wear protective gloves and eye protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER / doctor.
P302 - IF ON SKIN: Rinse area with water for several minutes.
P305 - IF IN EYES: Rinse cautiously with water, remove contact lens if any. Continue rinsing.
P337+P313: If eye irritation persists. Get medical attention or advice.

HMIS-ratings (scale 0-4) **Definitions: 0-least, 1-slight, 2-Moderate, 3-High, 4-Extreme**

HEALTH	3
FIRE	1
REACTIVITY	0
Protection	B

3 Composition/Information on Ingredients

3.1 Substances

CAS Number:	Component	% by weight (optional)
7732-18-5	Water	<50
7664-93-9	Sulfuric Acid	5 to 20
111-76-2	2-Butoxyethanol	5 to 20
77-92-9	Citric Acid	5 to 20
mixture	Surfactants	5 to 20

Chemical characterization: Mixture of the above ingredients to form a single uniform solution.

4 First aid measures

4.1 Description of first aid measures

General Info: Remove any clothing soiled by this product and wash before re-using.
Inhalation: Ensure supply of fresh air and keep person(s) calm and comfortable for breathing.
Eye Contact: Rinse cautiously with water for a few minutes. Remove contact lenses if any then continue flushing.
Skin contact: Remove all contaminated clothing immediately. Rinse area for several minutes with water.
Ingestion: Do not induce vomiting. If person is conscious give 1-2 glasses of water or milk and seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Information is not available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat sympomatically.

5 Fire-fighting measures

5.1 Extinguishing media

Suitable for use: foam, carbon dioxide, dry powder, water spray
Not suitable for use: water jet is not recommended.

5.2 Special hazards arising from the substance or mixture

Product will react slowly with soft metals in neat form forming hazardous gases (eg. Zinc).

5.3 Advice for fire-fighters

This product will not burn. Treat area as for surrounding fire. Wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear. Slippery where spilled.

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment, keep unprotected persons away. Ensure adequate ventilation during clean up.

6.2 Environmental precautions:

Do not allow to enter drains or waterways.
Do not purposely discharge into the subsoil/soil.

6.3 Methods and material for containment and clean up:

Take up with absorbent material (universal binder, diotematious earth). For large spills dike area then scoop or pump product into plastic containers for disposal. Small amounts of this product can be rinsed with large amounts of water into a sanitary sewer system. *Neutralizing with a 20% soda ash solution prior to clean up can reduce disposal hazards.

7 Handling & Storage

7.1 Precautions for safe handling

Advice on safe handing: No special measures are necessary if stored and handled as prescribed.
Handling: Caps should be tight and outside of container free of residue before moving.
Hygiene measures: Do not eat or drink when using this product. Wash hands after using. Remove soiled or soaked clothing immediately. Avoid contact with eyes and skin.
General measures: Avoid contact with eyes and skin and do not inhale concentrated vapors.

7.2 Conditions for safe storage, including any incompatibilities

Prevention of fire and explosion

Information: No special measures required.

Storage

Information: Store with lids tightly sealed. Keep at room temperature, out of direct sunlight. Best if used within 2 years of manufacturer date.

8 Exposure Controls/Personal Protection

8.1 Control parameters:

Components with limit values that require monitoring at the work place:

Component	CAS-No.	Statutory basis/list	Value type	Value
2-butoxyethanol	111-76-2	ACGIH	TLV	20 ppm, 8 hours (all forms)
		OSHA PEL	TWA	240 mg/m3 8 hours (skin)
				TWA: 50 ppm, 8 hours (Skin)
Sulfuric Acid	7664-93-9	OSHA PEL	TWA	1 mg/m3

8.2 **Exposure controls** (continued from page 2)

Engineering controls

Appropriate controls: Good general ventilation (local exhaust) should be sufficient to control airborne levels.

Personal protective equipment

Eye Protection: Use chemical resistant goggles of safety glasses with side shields.

Hand Protection: Rubber gloves

Body Protection: None required, but chemical resistant apron is suggested to protect clothing.

Respiratory Protection: None required but if desired select a NIOSH approved respirator for acid mists.

9 Physical and Chemical Properties

9.1 **Information on basic physical and chemical properties**

Product State:	Liquid	Auto Ingniting:	Product is not selfigniting
Color:	Yellow	Vapor Density:	Not Determined
Odor:	Acrid/Ether Like	Vapor Pressure:	Not Determined
pH:	<1	Evaporation Rate:	Not Determined
Boiling Point:	>212°F	Viscosity:	Not Determined
Freeze Point:	<32°F	Decomposition Temp:	Not Determined
VOC's % by wgt:	<20	Partition Coefficient (n-octanol/water)	Not Determined
Phosphorous %:	None		
Specific Gravity:	1.10-1.15	Flash Point °F:	>200
Solubility:	Soluble		

10 Stability and Reactivity

10.1 **Reactivity:** Product is not reactive under normal conditions.

10.2 **Chemical Stability:** Stable under normal conditions.

10.3 **Possibility of hazardous reactions** Under proper storage and handling no reactions are possible.

10.4 **Conditions to avoid:** None known.

10.5 **Incompatible materials:** Strong oxidizers, most cationic surfactants

10.6 **Hazardous decomposition products:** Sulfur Dioxide, Carbon Dioxide

11 Toxicological Information

11.1 **Information on toxicological effects**

Acute toxicity of known ingredients:

2-butoxyethanol

Oral: LD50 (rat): 470 mg/mk Dermal: LD50 (rabbit): 220 mg/kg Inhilation: LC50 (rat): 450 mg/L, 4 hours

Sulfuric Acid

Oral: LD50 (rat): 2140 mg/kg Inhalation LC50 (rat): 510 mg/m3

Acute Effects of this mixture:

Skin: Prolonged or repeated contact with strong forms will cause a severe rash or burns.

Eye: Produces rapid serious eye irritation or possible damage.

Ingestion: Harmful to mucous membranes, mouth, throat and stomach.

Inhalation: Concentrated mists cause respiratory discomfort, cough or dizziness.

Carcinogens: Sulfuric Acid is a known suspect carcinogen according to OSHA.

*No other toxicological data is available on this mixture.

12 Ecological Information

12.1-12.6 **No ecological information is available nor has been performed on these sections.**

General Notes:

Do not allow large quantities of undiluted product enter the ground, waterways or waste water canals.

High levels of surfactants and increased pH levels are harmful to aquatic life.

13 Disposal Considerations

13.1 Waste treatment methods

Product: Follow local regulations for proper disposal and reporting of spills.

Contaminated packaging: If empty contamined containers are recycled or disposed of, the receiver must be informed about possible hazards. Original labels must not be removed, lids closed and provide person collecting the container(s) with an SDS.

14 Transport Information

Not dangerous according to transport regulations

14.1	**UN number:**	UN1830
14.2	**UN proper shipping name:**	Sulfuric Acid Solution
14.3	**Transport hazard class(es):**	8
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	Aquatic
14.6	**Special precautions for user:**	None known

15 Regulatory Information

Proposition 65 (Chemicals known to cause cancer)

Sulfuric Acid

Section 313 (specific toxic chemical listings)

2-butoxyethanol, Sulfuric Acid

Section 355 (extremely hazardous substances)

Sulfuric Acid

TSCA (Toxic Substances Control Act)

All ingredients are listed, registered or exempted.

16 Other Information

DISCLAIMER:

Information presented herein has been compiled from sources considered to be accurate and reliable, but is not guaranteed to be so. Since conditions of use are beyond our control we make warrantees, expressed or implied. If anything is added to this product the information presented here may be altered and could make this SDS invalid. This SDS shall not establish a legally valid contractual relationship.

LEGEND:

ACGIH: American Conference of Governmental Industrial Hygienists / CAS:Chemical Abstracts Services

CHEMTREC:Chemical Transportation Emergency Center / DOT:Department of Transportation

EHS:Extremely Hazardous Substances / EPA: Environmental Protection Agency

HMIS: Hazardous Materials Identification System / IARC:International Agency for Research on Cancer

LEL/UEL:Lower and Upper Explosive Limit / mg/m3:Milligrams per cubic meter / LD50:Lethal Dose 50%

NIOSH:National Institute of Occupational Health & Safety / NFPA:National Fire Protection Association

NTP:National Toxicology Program / OSHA:Occupational Safety & Health Administration

PEL:Permissable Exposure Limit / PPE:Personal Protective Equipment /

SARA:Super fund Amendments and Reauthorization Act / SDS:Safety Data Sheet / TLV:Threshold Limit Value

TWA:Time Weighted Average / TSCA:US Toxic Substrance Control Act