



## SAFETY DATA SHEET

### Section 1: Identification

Product Name: Technician' Choice TEC310 Tough Stuff Wheel Acid Cleaner Concentrate  
Product Code: TEC310  
Product Class: Acidic Cleaner  
Manufacturer/Supplier: ECP Incorporated  
11210 Katherine's Crossing, Suite 100  
Woodridge, IL 60517  
Telephone: 630-754-4200  
Emergency Telephone: CHEMTREC 800-424-9300

Date Prepared: October 17, 2002  
Date of Review/Update: May 10, 2015

### Section 2: Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:



GHS Classification: Corrosive 1A  
Signal Word: Danger

GHS Hazard Statements:

H302 + H312 Harmful if swallowed or in contact with skin  
H314 Causes severe skin burns and eye damage  
H373 May cause damage to liver, kidneys or blood through prolonged or repeated exposure.

GHS Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read label before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P306 + P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...  
P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.

Signs and Symptoms of Exposure:

Eye: Irritation including tearing or redness.  
Skin: Prolonged skin contact may cause irritation including redness, irritation, itching.  
Ingestion: Gastrointestinal irritation, nausea, vomiting, and diarrhea, upset stomach.  
Inhalation: Not a likely route of exposure, but if over-inhalation occurs symptoms would include nose, throat, respiratory irritation.  
Medical Conditions Aggravated by Exposure: None known.  
HMIS Rating: Health- 4    Fire- 0    Reactivity- 0    Personal Protection- C  
0=Insignificant    1=Slight    2=Moderate    3=High    4=Extreme

### Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	% Range	OSHA PEL	ACGIH TLV
Phosphoric Acid	7664-38-2	<10	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>
Hydrofluoric acid (Hydrogen Fluoride)	7664-39-3	<10	3 ppm	Skin – 2 ppm
2-Butoxyethanol	111-76-2	<8	50 ppm	20 ppm

## **Section 4: First Aid Measures**

NOTES TO PHYSICIAN: Material is extremely corrosive to all tissues, contains Hydrofluoric Acid.

Eye Contact: Contact a physician immediately! Flush with running water keeping eyelids apart and away from eyeballs during irrigation. 1% calcium gluconate solution should be used to wash the eye thoroughly, and then repeat every 2-3 hours as drops. Eye specialist should be called at once.

Skin Contact: Contact a physician immediately! Wash immediately with large amount of water under the safety shower. The clothing should be removed as rapidly as possible and medical assistance obtained immediately. Calcium gluconate gel (2.5%) should be rubbed in continuously.

Ingestion: Contact a physician immediately! The patient should drink plenty of water or milk with added milk of magnesia. Do not induce vomiting.

Inhalation: Contact a physician immediately! Remove to fresh air. If breathing has stopped bring artificial respiration as soon as possible patient should be given 2.5%-3% calcium gluconate solution by inhalation.

## **Section 5: Fire-Fighting Measures**

Fire and Explosive Properties: Flash Point: Not Applicable

Flammable Limits: LEL / UEL: Not Applicable

Extinguishing Media: Not Applicable

Protective Equipment: Avoid skin and eye contact, and breathing of acid vapors. Wear head and body protection and acid respirator if exposure to liquid is likely. If involved in a fire the product may produce toxic fumes. Use water spray for diluting.

## **Section 6: Accidental Release Measures**

Steps to be taken if Material is Spilled or Leaked:

Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for collection and/or reuse, or for neutralization with alkali before collection and disposal. Personnel should use eye and skin protection and respirator.

## **Section 7: Handling and Storage**

Precautions to be taken in Handling and Storage:

Check daily for any leaks from containers, vessels, pumps, and piping. Have water hoses and alkali (caustic soda, lime, etc.) convenient. Only use containers and equipment designed for acid service. Use a respirator if area is poorly ventilated.

## **Section 8: Exposure Controls and Personal Protection**

Ventilation: Use only with adequate ventilation. Avoid breathing vapor or mist. Local exhaust preferred.

Respirator Protection: Wear approved acid/vapor/mist respirator. If working in a confined area it is highly suggested that an acid/vapor mist respirator be worn particularly while spraying the product.

Skin Protection: Wear acid resistant protective gloves, boots and clothing when working with the product concentrate or dilutions. Provide convenient safety showers.

Eye Protection: Wear splash proof goggles or side shield safety glasses. Provide convenient eyewash stations.

## **Section 9: Physical and Chemical Properties**

Boiling Point: 210°F

Vapor Density: Not Determined

Specific Gravity: 1.07

% Volatile: Not Available

Appearance/Odor: Clear, Thin Liquid, Bland Odor.

Vapor Pressure (mmHg @ 68°F):

Not Determined

Solubility in Water:

Complete

Melting Point:

Not Applicable

pH:

<1.0

## **Section 10: Stability and Reactivity**

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Not Applicable

Materials to Avoid: Strong alkalis, glass (etches) materials not resistant to strong acids, active metals (zinc, aluminum, magnesium, etc.)

Hazardous Decomposition Products: Possible phosphorus oxide and hydrogen fluoride fumes at fire temperatures. Contact with active metals can release flammable gas.

## **Section 11: Toxicology Information**

IARC, NTP, OSHA Carcinogen:

No known carcinogenic effects towards humans.

## **Section 12: Ecological Information**

Not Available

## **Section 13: Disposal Considerations**

Waste Disposal: If neutralized, may be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility. As supplied, this product is a RCRA hazardous waste. Rinse well before handling and disposal. Observe label precautions.

## **Section 14: Transport Information**

D.O.T. REQUIREMENTS (49CFR 172.101): Corrosive Liquid, N.O.S., 8, UN2922, PGII (Contains Hydrofluoric, and Phosphoric Acid)

## Section 15: Regulatory Information

### RQ (REPORTABLE QUANTITY) 49CFR 172.101:

<u>Component</u>	<u>RQ (lbs)</u>	<u>For This Product</u>
Hydrofluoric acid	100	Not Determined
Phosphoric Acid	5000	Not Determined
TSCA (Toxic Substances Control Act) Status: The intentional ingredients of this product are listed.		

### CERCLA RQ - 40CFR 302.4:

<u>Component</u>	<u>RQ (lbs)</u>	<u>For This Product</u>
Hydrofluoric acid	100	Not Determined
Phosphoric Acid	5000	Not Determined

### SARA 302 COMPONENTS - 40CFR 355 Appendix A:

<u>Component</u>	<u>RQ (lbs)</u>	<u>For This Product</u>
Hydrofluoric acid	100	Not Determined

### SECTION 311/312 HAZARD CLASS - 40CFR 370.2

Immediate	( X )	Reactive	( )
Delayed	( X )	Sudden Release of Pressure	( )
Fire	( )		

### SARA 313 COMPONENTS - 40CFR 372.65:

<u>Component</u>	<u>CAS #</u>	<u>Max %</u>
Hydrofluoric acid (Hydrogen Fluoride)	7664-39-3	<10
Glycol Ether (2-Butoxyethanol)	111-76-2	<8

### WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)

<u>Ingredient</u>	<u>Max. % By Wt.</u>	<u>LD50</u>	<u>LC50</u>
Phosphoric Acid	7664-38-2 <10	Oral Rat - 1530 mg/kg	Not Established
Hydrofluoric acid (Hydrogen Fluoride)	7664-39-3 <10	Not Established	Inhal Rat - 2042 ppm/30 min
2-Butoxyethanol	111-76-2 <8	Oral Rat - 470mg/kg	Inhal Rat - 450ppm/4H

CALIFORNIA PROPOSITION 65: None

## Section 16: Other Information

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage