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

1.1 Product Identifier

Trade Name: **ULTRA GREEN TC 3XC**

Product Type: Alkaline Detergent

1.2 Recommended Use: Wheel & Tire Cleaner

1.3 Details of the supplier of the safety data sheet

Company: Quest Car Care Products®
3333 Production Ct.
Zeeland, MI. 49464

Phone: 1-616-772-5100

Fax: 1-616-931-3173

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	Aspiration Hazard:	Category 1
Eye Corrosion:	Category 1	STOT: Single Exposure	Category 2
		Corrosive to Metals:	Category 1

2.2 Label Elements

Symbol(s)

Signal Word: DANGER

Hazard Statements: Harmful if swallowed or enters airways.
Causes severe skin burns and eye damage.
Harmful to organs.
Corrosive to metals.

Precautionary Statements: P261 - Do not breathe mists, vapors, spray.
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: Flush cautiously with water, remove contact lens if any. Continue flushing.
P337+P313: If eye irritation persists. Get medical attention or advice.

Storage: Keep lids closed. Keep locked up. Keep from freezing. Keep out of direct sunlight.

Disposal: Dispose of in accordance with local, state and federal regulations.

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

HEALTH	3
FIRE	0
REACTIVITY	1
Protection	B

3 Composition/Information on Ingredients

3.1 Substances

Component (Ingredient):	CAS #	% by weight (optional)
Water	7732-18-5	
Mixture of Surfactants	Proprietary	<30
Potassium Hydroxide	1310-58-3	10 to 15
Tetra Sodium EDTA	64-02-8	5 to 10
Ethoxylated Alcohols	Proprietary	5 to 10

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:	Flush cautiously with water for several minutes. Remove contact lenses if any then continue flushing.
Skin contact:	Remove all contaminated clothing immediately. Rinse area for several minutes with water. If available apply a 5% vinegar solution to area (not around eyes) then continue rinsing area 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 cautiously with a dilute acid 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
Potassium Hydroxide	1310-58-3	OSHA PEL	TWA	2 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 or 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 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-Green	Vapor Density:	Not Determined
Odor:	Fresh	Vapor Pressure:	Not Determined
pH:	>13	Evaporation Rate:	Not Determined
Boiling Point:	>212°F	Viscosity:	Not Determined
Freeze Point:	<32°F	Decomposition Temp:	Not Determined
VOC's % by wgt:	None	Partition Coefficient (n-octanol/water)	Not Determined
Phosphorous %:	None		
Specific Gravity:	1.15-1.20	Flash Point °F:	None
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, Acids

10.6 Hazardous decomposition products: Carbon Dioxide, Carbon Monoxide

11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity of known ingredients:

Potassium Hydroxide

Oral: LD50 (rat): 214 mg/kg

Acute Effects of this mixture:

Skin: Will cause severe burns and defatting of skin.

Eye: Produces rapid serious eye irritation and possible damage.

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

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

Carcinogens: None known

*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 product to 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

14.1	**UN number:**	UN1814
14.2	**UN proper shipping name:**	Potassium Hydroxide, Solution
14.3	**Transport hazard class(es):**	8
14.4	**Packing group:**	II
14.5	**Environmental hazards:**	None known
14.6	**Special precautions for user:**	None known

15 Regulatory Information

Proposition 65 (Chemicals known to cause cancer)

None listed

Section 313 (specific toxic chemical listings)

None listed

Section 311/312 (Hazardous chemical listings)

Potassium Hydroxide

Section 355 (extremely hazardous substances)

None listed

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