

1 Identification of the substance/mixture and of the company/undertaking**1.1 Product Identifier**

Trade Name: **FC & D**
 Product Type: Alkaline Solution
Recommended Use: Multi-Purpose Cleaning
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 Irritation Category 2 Acute Toxicity: Oral: Category 4
 Eye Irritation Category 2

2.2 Label Elements

Symbol(s)



Signal Word: WARNING

Hazard Statements: Causes eye irritation.
 Causes skin irritation.
 Harmful if swallowed.

Precautionary Statements: Do not get in eyes, on skin or clothing.
 Wear protective gloves and eye protection.
 Avoid breathing vapors/mists/spray.
 Keep away from areas of high heat, open flames and sparks.
 IF SWALLOWED: Immediately call a POISON CENTER / doctor.
 IF ON SKIN: Rinse area with water for several minutes.
 IF IN EYES: Rinse cautiously with water, remove contact lens if any. Continue rinsing.
 If eye irritation persists. Get medical attention or advice.

Storage: Keep lids closed. Keep away from open flames and sparks. Keep out of direct sunlight.

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

HMIS-ratings (scale 0-4)

Definitions: 0-least, 1-slight, 2-Moderate, 3-High, 4-Extreme

HEALTH	2
FIRE	0
REACTIVITY	0
Protection	B

3 Composition/Information on Ingredients**3.1 Substances**

Component (Ingredient):	CAS #	% by weight (optional)
Water	7732-18-5	
2-Butoxyethanol	Proprietary	5 to 10
Nonionic Surfactants	Proprietary	5 to 10
2-Amino,ethanol	141-43-5	1 to 5
Tetra Sodium EDTA	64-02-8	1 to 5

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.
 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 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 symptomatically.

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

None known.

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.

6 Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment.

6.2 Environmental precautions:

Do not purposely discharge into storm 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, diatomaceous 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.

7 Handling & Storage**7.1 Precautions for safe handling**

Advice on safe handling: No special measures are necessary if stored and handled as prescribed.
 Handling: No data available
 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.

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/m ³ 8 hours (skin)
				TWA: 50 ppm, 8 hours (Skin)
2-Aminoethanol	141-43-5	ACGIH	STEL	6 ppm (skin)
		OSHA PEL	TWA	3 ppm(skin)

- 8.2 Exposure controls** (continued from page 2)
Engineering controls
 Appropriate controls: Good general ventilation 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.
 Respiratory Protection: None required. Ensure adequate ventilation.

9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

<u>Product State:</u>	Liquid	<u>Auto Igniting:</u>	Product is not self-igniting
<u>Color:</u>	Purple	<u>Vapor Density:</u>	Not Determined
<u>Odor:</u>	Citrus / Etherlike	<u>Vapor Pressure:</u>	Not Determined
<u>pH:</u>	12.0-12.6	<u>Evaporation Rate:</u>	Not Determined
<u>Boiling Point:</u>	>212°F	<u>Viscosity:</u>	Not Determined
<u>Freeze Point:</u>	<32°F	<u>Decomposition Temp:</u>	Not Determined
<u>VOC's % by wgt:</u>	<20	Partition Coefficient	Not Determined
<u>Phosphorous %:</u>	None	(n-octanol/water)	
<u>Specific Gravity:</u>	1.0-1.01	<u>Flash Point °F:</u>	Not Determined
<u>Solubility:</u>	Soluble		

10 Stability and Reactivity

- 10.1 Reactivity:** Product is not reactive.
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
10.6 Hazardous decomposition products: None with proper storage and handling.

11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity of known ingredients:

2-butoxyethanol

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

Acute Effects of this mixture:

Skin: Prolonged or repeated contact with strong forms may remove natural oils leading to dryness or rash.
 Eye: Produces rapid serious eye irritation.
 Ingestion: May be harmful to mucous membranes, mouth, throat and stomach.
 Inhalation: Concentrated mists may cause discomfort, cough or dizziness.
 Carcinogens: This product has no ingredients known to be carcinogenic.

*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 contaminated 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:	none
14.2	UN proper shipping name:	Non Regulated Cleaning Compound
14.3	Transport hazard class(es):	none
14.4	Packing group:	none
14.5	Environmental hazards:	none
14.6	Special precautions for user:	none

15 Regulatory Information**Proposition 65 (Chemicals known to cause cancer)**

None

Section 313 (specific toxic chemical listings)

None

Section 355 (extremely hazardous substances)

None

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 warranties, 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:Permissible 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 Substance Control Act