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## Safety Data Sheet EZ Foam

### 1. IDENTIFICATION

Synonyms none  
 CAS# see Part 3, below  
 Material Use carpet cleaner

**IN AN EMERGENCY CALL: INFOTRAC 1-800-535-5053**

### 2. HAZARD IDENTIFICATION

<b>GHS Class (Category)</b>	<i>skin irritant (2)</i>	<i>eye irritant (2A)</i>	<i>aquatic acute (2)</i>
<b>Signal Words</b>	<b>WARNING</b>	<b>WARNING</b>	<b>no Signal Word no Pictogram</b>
<b>Hazard Statements</b>	<i>causes skin irritation (H315)</i>	<i>causes severe eye irritation (H319)</i>	<i>toxic to aquatic life (H401)</i>



#### GHS Precautionary Statements for Labeling

P262, P264 Do not get in eyes or on skin. Wash thoroughly after handling.  
 P270, P280 Do not eat, drink or smoke when using this product. Wear eye protection and protective gloves of nitrile or rubber.  
 P273, P391 Avoid release to the environment. Collect spillage.  
 P313 & P333 If skin irritation or rash occurs, get medical advice/attention.  
 P305, P351, P338 If in eyes, rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

### 3. COMPOSITION

	CAS NUMBER	%	TLV ppm / mg/m <sup>3</sup>	LD <sub>50</sub> (mg/kg) ORAL	LD <sub>50</sub> (mg/kg) SKIN	LC <sub>50</sub> ppm INHALATION
Anionic Surfactant	on request	10-20%	not listed	1290	not known	not known
Alkylbenzenesulfonic Acid	85536-14-7	5-10%	not listed	above 500	not known	not known
Nonionic Surfactant	on request	1-5%	not listed	12,400	>2000	not known
Amphoteric Surfactant	on request	1-5%	not listed	>4900	not known	not known
Potassium Hydroxide	1310-58-3	1-5%	2mg/m <sup>3</sup>	>205	>1260	not known
Tetrasodium Ethylenediaminetetraacetic Acid	64-02-8	<1%	not listed	>1780	>5000	not known
Water	7732-18-5	Balance	not toxic	90,000	not toxic	not toxic

### 4. FIRST AID

**SKIN:** Wash with plenty of water. Remove contaminated clothing and do not reuse until thoroughly laundered. Seek medical help promptly if there is persistent itching or redness in the affected area.

**EYES:** Wash eyes with plenty of water, holding eyelids open. Seek medical assistance if there is persistent irritation.

**INHALATION:** Remove from contaminated area promptly. **CAUTION: Rescuer must not endanger himself!** If victim's breathing stops, administer artificial respiration and seek medical aid promptly.

**INGESTION:** Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.

*NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The danger of this is greater than the risk of poisoning by absorption of this low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.*

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## 5. FLAMMABILITY & FIRE-FIGHTING

Flash Point	cannot burn
Autoignition Temperature	cannot burn
Flammable Limits	cannot burn
Combustion Products	oxides of carbon, nitrogen, sulphur, sodium & potassium; part oxidized hydrocarbon fragments
Firefighting Precautions	as for materials sustaining fire; compatible with water; firefighters must wear SCBA
Static Discharge	cannot accumulate a static charge

## 6. ACCIDENTAL RELEASE MEASURES

Leak Precaution	dike to control spillage and prevent environmental contamination
Handling Spill	recover free liquid with suitable pumps; absorb residue on an inert sorbent, sweep, shovel & store in closed containers for disposal

## 7. HANDLING & STORAGE

Store and use in a cool dry environment, away from sources of ignition, heat and oxidizing agents.

Never cut, drill, weld or grind on or near this container, whether empty or full. Always replace drum, pail or IBC cap prior to moving the container!

Avoid generating or breathing product vapor or mist. If mist or vapor form in use, install adequate ventilation to maintain airborne concentration of the product below the TLV (see Part 8, below). Avoid prolonged contact with skin and wash work clothes frequently. An eye bath and safety shower should be available near the workplace.

## 8. EXPOSURE CONTROL & PERSONAL PROTECTION

### **Potassium Hydroxide:**

ACGIH TLV	2mg/m <sup>3</sup>	ACGIH STEL	not listed
OSHA PEL	not listed	OSHA STEL	not listed
Ventilation	no special mechanical ventilation required		
Hands	wear nitrile or rubber gloves – <i>other types also protect; always confirm suitability with supplier</i>		
Eyes	safety glasses with side shields or chemical goggles – <i>always protect eyes!</i>		
Clothing	impermeable (hands, above) apron, boots, long sleeves, if splashing is anticipated		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

*NOTE: for Flash Point, Autoignition Temperature & Flammable Limits see Part 5.*

Odor & Appearance	clear, straw colored liquid with lemon odor
Odor Threshold	not known
Vapor Pressure	as for water
Evaporation Rate ( <i>Butyl Acetate = 1</i> )	as for water
Vapor Density (air = 1)	0.6 ( <i>water</i> ) – <i>no other volatiles present</i>
Boiling Point	not measured; approximately 105°C / 221°F
Freezing Point	not measured; approximately -5°C / 23°F
Decomposition Temperature	not known
Specific Gravity	1.03 (20/20°C)
Water Solubility	complete
Viscosity	not known – thin, mobile liquid
pH	7.0-7.8 – <i>slightly alkaline</i>

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**10. REACTIVITY**

Dangerously Reactive With	strong oxidizing agents
Also Reactive With	corrodes copper & its alloys
Chemical Stability	stable; will not polymerize
Decomposes in Presence of	
Decomposition Products	none apart from Hazardous Combustion Products
Mechanical Impact	not sensitive

**11. TOXICITY INFORMATION****i. ACUTE EXPOSURE**

Skin Contact	may be irritating if contact is prolonged – <i>as would any strong soap or detergent</i>
Skin Absorption	slight; toxic effects unlikely by this route
Eye Contact	severely irritating
Inhalation	not known – <i>no effect anticipated</i>
Ingestion	not known; likely to irritate the mouth, throat & stomach – <i>not a route of industrial exposure</i>
Calculated LD <sub>50</sub> (oral)	2915mg/kg (rat)
LD <sub>50</sub> (skin)	<i>insufficient information to calculate</i>
LC <sub>50</sub> (inhalation)	<i>insufficient information to calculate</i>

**ii. CHRONIC EXPOSURE**

General	prolonged or repeated exposure may cause dermatitis, <i>through removal of protective skin oils</i>
Sensitizing	not a sensitizer
Carcinogen/Tumorigen	not known to be a tumorigen or a carcinogen in humans or animals
Reproductive Effect	no known effect on humans or animals
Mutagen	not known to be a mutagen or teratogen in humans or animals
Synergistic With	not known

**12. ECOLOGICAL INFORMATION****Anionic Surfactant:**

Bioaccumulation	water soluble; cannot bioaccumulate
Biodegradation	biodegrades readily under aerobic conditions; 83% biodegradation in 28 days
Abiotic Degradation	not known
Mobility in soil, water	water soluble; moves readily in soil and water

**Aquatic Toxicity**

LC <sub>50</sub> (Fish, 96hr)	not known
EC <sub>50</sub> (Crustacea, 48hr)	25mg/liter (Daphnia magna)
EC <sub>50</sub> (Algae, 72hr)	30mg/liter (Selenastrum capricornutum)

**Alkylbenzene Sulfonic Acid:**

Bioaccumulation	does not bioaccumulate
Biodegradation	readily biodegradable; 69% to 90% in 28 days ( <i>various linear benzene sulfonates tested</i> )
Abiotic Degradation	not known
Mobility in soil, water	water soluble; moves readily in soil and the water column

**Aquatic Toxicity**

LC <sub>50</sub> (Fish, 96 hr)	2.9-13mg/liter ( <i>various species</i> )
EC <sub>50</sub> (Crustacea, 48 hr)	1.62mg/liter (Daphnia magna)
EC <sub>50</sub> (Algae, 72 hr)	29mg/liter (Selenastrum capricornutum)

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## 12. ECOLOGICAL INFORMATION, cont'd

### ***Amphoteric Surfactant:***

Bioaccumulation	water soluble; cannot bioaccumulate
Biodegradation	biodegrades readily & rapidly in the presence of oxygen; 84% in 20 days, 97% & 100% in 28 days
Abiotic Degradation	estimated ½-life in air is unknown
Mobility in soil, water	water soluble; moves readily in soil and water

### **Aquatic Toxicity**

LC <sub>50</sub> (Fish, 96hr)	1.8, 2, 6.7 & 10mg/liter (Brachydanio rerio)
EC <sub>50</sub> (Crustacea, 48hr)	1.9, 6.5 & 21.7mg/liter (Daphnia magna)
EC <sub>50</sub> (Algae)	1.8, 2.4 & 30mg/liter (Scenedesmus subspicatus)
EC <sub>0</sub> (Bacteria)	>10,000mg/liter (Pseudomonas putida)

### ***Nonionic Surfactant:***

Bioaccumulation	readily metabolized and will not bioaccumulate
Biodegradation	biodegrades readily and rapidly in the presence of oxygen; 71% & 84% in 28 days
Abiotic Degradation	reacts with atmospheric hydroxyl (OH) radicals; estimated ½-life in air 2.6 hours
Mobility in soil, water	sufficiently water soluble; to move readily through soil & the water column

### **Aquatic Toxicity**

LC <sub>50</sub> (Fish 96 hr)	2.6mg/liter ( <i>estimated value – no species given</i> )
LC <sub>50</sub> (Crustacea, 48hr)	2.25mg/liter (Daphnia magna)
EC <sub>50</sub> (Algae, 96hr)	not known

### ***Potassium Hydroxide:***

Bioaccumulation	not a bioaccumulator
Biodegradation	cannot biodegrade
Abiotic Degradation	dilutes readily in water & neutralizes with dissolved CO <sub>2</sub> & atmospheric CO <sub>2</sub> to potassium carbonate;
Mobility in soil, water	product is water soluble & moves readily in soil and water

### **Aquatic Toxicity**

LC <sub>50</sub> (Fish, 96hr)	178mg/liter – <i>for 45% product (Gambusia affinis) – the pH of the test medium is not reported . . .</i>
EC <sub>50</sub> (Crustacea, 48hr)	<i>. . . no other ecotoxicity data available . . .</i>

### ***Tetrasodium Ethylenediaminetetraacetic Acid:***

Bioaccumulation	not a bioaccumulator
Biodegradation	various values reported from 1% in 72dy to 63% in 5dy
Abiotic Degradation	not known
Mobility in soil, water	highly water soluble; but may bind to soil particles, so may move slowly or not at all in soil & water

**Aquatic Toxicity**

LC <sub>50</sub> (Fish, 96hr)	41, 159, 486, 532, 1030 & 2070mg/liter (Lepomis macrochirus), 60mg/liter (Pimephelas promelas)
EC <sub>50</sub> (Crustacea, 24hr)	610, 625 & 1030mg/liter (Daphnia magna), 4834mg/liter (Crangon crangon, 96hr) & <i>others</i>
EC <sub>50</sub> (Algae)	>100mg/liter (Scenedesmus subspicatus)
EC <sub>10</sub> (Bacteria)	55mg/liter (Pseudomonas putida), >1000mg/liter ( <i>other bacteria</i> )
EC <sub>5</sub> (Microbes)	663mg/liter (Chilomonas paramecium)

## 13. DISPOSAL CONSIDERATIONS

Waste Disposal	<b>do not flush undiluted to sewer;</b> may be incinerated in approved facility with flue gas monitoring & scrubbing, mix with a suitable flammable waste before incineration
Containers	<b>Drums</b> should be reused. Recondition and pressure test by a licensed reconditioner prior to re-use. <b>Pails</b> must be vented and thoroughly dried prior to crushing and recycling. <b>IBCs</b> (intermediate bulk containers): polyethylene bottle must be pressure tested & recertified at 30 months. Replace at 60 months (5 years). Steel containers must be inspected, pressure tested & recertified every 5 years. <b>Warning: never cut, drill, weld or grind on or near this container, even if empty.</b>

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**14. TRANSPORT INFORMATION****USA 49 CFR & Canada/International TDG**

Product Identification Number	UN – not regulated for transport
Shipping Name	not regulated for transport
Classification	not regulated for transport
<b>Marine Pollution</b>	<b>not a marine pollutant</b>
<b>ERAP Required</b>	<b>No</b>
<b>Reportable Quantity (RQ)</b>	<b>none</b>

**15. REGULATIONS**

Canada DSL	on inventory
U.S.A. TSCA	on inventory
Europe EINECS	on inventory

**NOTE:** EDTA (Tetrasodium Ethylenediaminetetraacetic Acid) is an animal carcinogen, but only on prolonged ingestion. Ingestion is not a route of industrial exposure. Also, this product is aversive in nature (irritating to mouth and throat). Finally, with just 0.3% EDTA, this soap cannot be classified as a carcinogen.

**16. OTHER INFORMATION**

**Date of Preparation**                      **May 2015**

**Date of Revision**                        **-**

Prepared for Tomco-Harwel, by **Peter Bursztyn**

With data from the Registry of Toxic Effects of Chemical Substances (RTECS), Hazardous Substance Data Base (HSDB), Cheminfo (CCOHS), OSHA, IUCLID Datasheets (European Chemical Substance Information System - ESIS), & others sources (below if used), as required/available

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