### **SAFETY DATA SHEETS**

# This SDS packet was issued with item: 078933802

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078933800 078933801



# **Material Safety Data Sheet**

Sure Bet

# 1. Product and company identification

Product name	: Sure Bet
Supplier	: Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607 (800) 333-2156
Manufacturer	: Betco Corporation 1001 Brown Avenue Toledo, Ohio 43607
Code	: 324
MSDS #	: 324
Validation date	: 9/19/2013.
Print date	: 9/19/2013.
In case of emergency	: Chemtrec (800) 424-9300
Product type	: Liquid.

# 2. Hazards identification

Emergency overview		
Physical state	1	Liquid.
Color	1	Green.
Odor	1	Fruity.
Signal word	1	DANGER!
Hazard statements	:	CORROSIVE. HARMFUL IF SWALLOWED. CAUSES EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.
Precautionary measures	:	Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Do not breathe vapor or mist. Do not ingest. Do not eat, drink or smoke when using this product. Avoid contact with eyes, skin and clothing. Use personal protective equipment as required. Wash thoroughly after handling.
OSHA/HCS status	1	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Routes of entry	1	Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects	2	
Inhalation	1	Harmful by inhalation.
Ingestion	1	Toxic if swallowed.
Skin	1	Severely irritating to the skin.
Eyes	4	Severely irritating to eyes. Risk of serious damage to eyes.
Potential chronic health effe	<u>cts</u>	
Chronic effects	4	Contains material that may cause target organ damage, based on animal data.
Carcinogenicity	1	No known significant effects or critical hazards.
Mutagenicity	4	No known significant effects or critical hazards.
Teratogenicity	4	No known significant effects or critical hazards.
Developmental effects	4	No known significant effects or critical hazards.
Fertility effects	4	No known significant effects or critical hazards.
Target organs	1	Contains material which may cause damage to the following organs: upper respiratory tract, skin, eye, lens or cornea.

### 2. Hazards identification

Medical conditions aggravated by overexposure : Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

See toxicological information (Section 11)

# 3. Composition/information on ingredients

Name	CAS number	%
Phosphoric acid Amines, coco alkyldimethyl, N-oxides Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides ETHYL ALCOHOL	7664-38-2 61788-90-7 68424-85-1 64-17-5	10 - 20 1 - 5 1 - 5 0.1 - 1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

#### 4. First aid measures

Eye contact	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. In case of contact with eyes, rinse immediately with plenty of water.
Skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Ingestion	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
Notes to physician	<ul> <li>No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>

### 5. Fire-fighting measures

Flammability of the product	: In a fire or if heated, a pressure increase will occur and the container may burst.
Extinguishing media	
Suitable	: Use an extinguishing agent suitable for the surrounding fire.
Not suitable	: None known.
Special exposure hazards	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides metal oxide/oxides
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
9/19/2013.	Obtained by Global Safety Manage

### 6. Accidental release measures

Personal precautions	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
Environmental precautions	-	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up		
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

### 7. Handling and storage

Handling

: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage** 

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### 8. Exposure controls/personal protection

Ingredient	Exposure limits	
Phosphoric acid	ACGIH TLV (United States, 2/2010). TWA: 1 mg/m <sup>3</sup> 8 hour(s). STEL: 3 mg/m <sup>3</sup> 15 minute(s). OSHA PEL 1989 (United States, 3/1989). TWA: 1 mg/m <sup>3</sup> 8 hour(s). STEL: 3 mg/m <sup>3</sup> 15 minute(s). NIOSH REL (United States, 6/2009). TWA: 1 mg/m <sup>3</sup> 10 hour(s). STEL: 3 mg/m <sup>3</sup> 15 minute(s). OSHA PEL (United States, 6/2010). TWA: 1 mg/m <sup>3</sup> 8 hour(s).	

Sure Bet

8. Ex	posure	controls/	personal	protection
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o. Exposure conti	ois/personal protection
	ACGIH TLV (United States, 2/2010). STEL: 1000 ppm 15 minute(s). OSHA PEL 1989 (United States, 3/1989). TWA: 1000 ppm 8 hour(s). TWA: 1900 mg/m <sup>3</sup> 8 hour(s). NIOSH REL (United States, 6/2009). TWA: 1000 ppm 10 hour(s). TWA: 1900 mg/m <sup>3</sup> 10 hour(s). OSHA PEL (United States, 6/2010). TWA: 1000 ppm 8 hour(s). TWA: 1900 mg/m <sup>3</sup> 8 hour(s).
Recommended monitoring procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Engineering measures	<ul> <li>If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.</li> </ul>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal protection	
Respiratory	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hands	<ul> <li>Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. &gt;8 hours (breakthrough time): butyl rubber</li> </ul>
Eyes	<ul> <li>Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Recommended: splash goggles</li> </ul>
Skin	: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Personal protective equipment (Pictograms)	

# 9. Physical and chemical properties

Physical state	: Liquid.
Flash point	: Closed cup: Not applicable. [Product does not sustain combustion.]
Color	: Green.
Odor	: Fruity.
рН	: 0.5 to 1.5
Relative density	: 1.0729

# 9. Physical and chemical properties

Solubility

: Easily soluble in the following materials: cold water and hot water.

# 10. Stability and reactivity

Chemical stability	: The product is stable.
Conditions to avoid	: No specific data.
Incompatible materials	<ul> <li>Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.</li> <li>Reactive or incompatible with the following materials: alkalis</li> </ul>
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.

# 11. Toxicological information

Acute toxicity					
Product/ingredient name	Result	Species	Dos	e I	Exposure
Phosphoric acid Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides	LD50 Oral LD50 Oral	Rat Rat	1.25 426 i	g/kg - mg/kg -	
ETHYL ALCOHOL	LC50 Inhalation Dusts and mists LD50 Oral	Rat Rat		'00 mg/m3 4 00 mg/kg -	hours
Conclusion/Summary	: Not available.				
<u>Chronic toxicity</u>					
Conclusion/Summary	: Not available.				
Irritation/Corrosion					
Product/ingredient name	Result	Species	Score	Exposure	Observation
Amines, coco alkyldimethyl, N-oxides	Skin - Mild irritant	Guinea pig	-	840 hours 115 milligrams	-
	Skin - Moderate irritant	Human	-	24 hours 2500 Micrograms	) -
	Skin - Mild irritant	Rabbit	-	10 milligrams	-
	Skin - Mild irritant	Rabbit	-	840 hours 230 milligrams	) -
Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides	Skin - Severe irritant	Rabbit	-	25 milligrams	-
ETHYL ALCOHOL	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	0.066666667 minutes 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	100 microliters	-
	Eyes - Severe irritant	Rabbit	-	500 milligrams	-
	Skin - Mild irritant	Rabbit	-	400 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-

**Sensitizer** 9/19/2013.

Sure Bet

### **11. Toxicological information**

Conclusion/Summary	: Not available	Э.				
Carcinogenicity						
<b>Conclusion/Summary</b>	: Not available	Э.				
<b>Classification</b>						
Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
ETHYL ALCOHOL	A3	1	-	-	-	-
Mutagenicity				<b>I</b>		
<b>Conclusion/Summary</b>	: Not available	Э.				
Teratogenicity						
<b>Conclusion/Summary</b>	: Not available	Э.				
Reproductive toxicity						
Conclusion/Summary	: Not available	<u> </u>				

### 12. Ecological information

: No known significant effects or critical hazards.

#### Aquatic ecotoxicity

**Ecotoxicity** 

Product/ingredient name	Result	Species	Exposure	
Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides	Acute EC50 670 ug/L Fresh water	Algae - Chlorella pyrenoidosa - Exponential growth phase	96 hours	
	Acute EC50 5.9 ppb Fresh water	Daphnia - Daphnia magna - <24 hours	48 hours	
	Acute LC50 0.28 ppm Fresh water	Fish - Pimephales promelas	96 hours	
ETHYL ALCOHOL	Acute EC50 17.921 mg/L Marine water	Algae - Ulva pertusa	96 hours	
	Acute EC50 2000 ug/L Fresh water	Daphnia - Daphnia magna	48 hours	
	Acute LC50 25500 ug/L Marine water	Crustaceans - Artemia franchiscana - Larvae	48 hours	
	Acute LC50 42000 ug/L Fresh water	Fish - Oncorhynchus mykiss	4 days	
	Chronic NOEC 0.375 ul/L Fresh water	Fish - Gambusia holbrooki - Larvae - 3 days	12 weeks	
Conclusion/Summary	: Not available.			

Persistence/degradability

**Conclusion/Summary** : Not available.

### **13. Disposal considerations**

Waste disposal

: The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

### 14. Transport information

Devulations		Program a binaria a		DOt	Label	
Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	1760	Corrosive liquid, n.o.s. (Phosphoric acid)	8	111	CORROSVE 8	<u>Limited quantity</u> Yes.
TDG Classification	1760	Corrosive liquid, n.o.s. (Phosphoric acid)	8	111	8	Explosive Limit and Limited Quantity Index 5
Mexico Classification	1760	Corrosive liquid, n.o.s. (Phosphoric acid)	8	111	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-
ADR/RID Class	1760	Corrosive liquid, n.o.s. (Phosphoric acid)	8	111	R R R R R R R R R R R R R R R R R R R	Tunnel code (E)
IMDG Class	1760	Corrosive liquid, n.o.s. (Phosphoric acid).	8	111	8	-
IATA-DGR Class	1760	Corrosive liquid, n.o.s. (Phosphoric acid)	8	111		-

PG\* : Packing group

# 15. Regulatory information

HCS Classification	c material ating material get organ effects	
U.S. Federal regulations	A 8(a) IUR Exempt/Partial exemption: Not determined ated States inventory (TSCA 8b): All components are listed or exempted.	
	RA 302/304/311/312 extremely hazardous substances: No products were f RA 302/304 emergency planning and notification: No products were found RA 302/304/311/312 hazardous chemicals: Phosphoric acid RA 311/312 MSDS distribution - chemical inventory - hazard identification sphoric acid: Immediate (acute) health hazard	d.
	an Water Act (CWA) 311: Phosphoric acid	
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	listed	
Clean Air Act Section 602 Class I Substances	listed	
Clean Air Act Section 602 Class II Substances	listed	
DEA List I Chemicals (Precursor Chemicals)	listed	

### **15. Regulatory information**

5 5	
DEA List II Chemicals (Essential Chemicals)	: Not listed
State regulations	
Massachusetts	: The following components are listed: PHOSPHORIC ACID
New York	: The following components are listed: Phosphoric acid
New Jersey	<ul> <li>The following components are listed: PHOSPHORIC ACID; Quaternary Ammonium Chloride</li> </ul>
Pennsylvania	<ul> <li>The following components are listed: PHOSPHORIC ACID; Quaternary Ammonium Chloride</li> </ul>

#### California Prop. 65

**WARNING:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name		Cancer	Reproductive	No significar level	nt risk	Maximum acceptable dosage level	
ETHYL ALCOHOL	ETHYL ALCOHOL		No.	Yes.	No.		No.
Canada inventory International regulations	:	All compo	nents are list	ed or exempted.			
International lists	:	China inv Japan inv Korea inv New Zeala	entory (IEC: ventory: Not ventory: All c and Invento	SC): All compone determined. omponents are lis ry of Chemicals	nents are listed or en nts are listed or ex sted or exempted. ( <b>NZIOC)</b> : All comp reponents are listed	empted	are listed or exempted.
Chemical Weapons Convention List Schedule I Chemicals	:	Not listed					
Chemical Weapons Convention List Schedule II Chemicals	:	Not listed					
Chemical Weapons Convention List Schedule III Chemicals	:	Not listed					

### 16. Other information

 Label requirements
 : CORROSIVE. HARMFUL IF SWALLOWED. CAUSES EYE AND SKIN IRRITATION. CONTAINS MATERIAL THAT MAY CAUSE TARGET ORGAN DAMAGE, BASED ON ANIMAL DATA.

 Hazardous Material Information System (U.S.A.)
 :

 Health
 \*
 2

 Flammability
 0

 Physical hazards
 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

### 16. Other information

The customer is responsible for determining the PPE code for this material.





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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

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Date of issue	: 9/19/2013.
Date of previous issue	: 7/24/2012.
Version	: 1
Prepared by	: Not available

✓ Indicates information that has changed from previously issued version.

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

# **SAFETY DATA SHEET**



#### Betco Sure Bet II

Section 1. Identifie	cation
GHS product identifier	: Betco Sure Bet II
Other means of identification	: Not available.
Product type	: Liquid.
Relevant identified uses of t Not applicable.	he substance or mixture and uses advised against
Supplier's details	: Betco Corporation LTD 400 Van Camp Road Bowling Green, OH 43402 www.betco.com 888-462-3826
Emergency telephone number (with hours of operation)	: Chemtrec (800) 424-9300 24 hour
Section 2. Hazard	s identification
OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of nonpesticide chemicals. Please read complete product label.
Classification of the substance or mixture	: SKIN CORROSION - Category 1 EYE IRRITATION - Category 2A
GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	: Causes severe skin burns and eye damage (Per OSHA). Corrosive. Causes irreversibl eye damage and skin burns. May be fatal if swallowed. (Previous statements per EPA)
Precautionary statements	
Prevention	: Wear protective gloves: > 8 hours (breakthrough time): butyl rubber. Wear eye or face protection: Recommended: splash goggles. Wear protective clothing. Wash hands thoroughly after handling.
Response	: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately ca a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. If eye irritation persists: Get medical attention.
Storage	: Store locked up.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Date of issue/Date of revision	: 2/13/2017 Date of previous issue : 7/19/2016 Version : 4 1/

### Section 2. Hazards identification

Hazards not otherwise classified

: None known.

### Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of identification	: Not available.

#### **CAS number/other identifiers**

CAS number	: Not applicable.
Product code	: 314

Ingredient name	%	CAS number
phosphoric acid	≥10 - <25	7664-38-2
citric acid	≥10 - <25	77-92-9
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	≥1 - <3	68424-85-1
decyldimethyloctylammonium chloride	≥0.3 - <1	32426-11-2
dimethyldioctylammonium chloride	≥0.3 - <1	5538-94-3
Terpenes and Terpenoids, sweet orange-oil	≥0.1 - <0.3	68647-72-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

Description of necessary first	t aid measures
Eye contact	: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
Inhalation	: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	: Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed Potential acute health effects

Date of issue/Date of revision	: 2/13/2017	Date of previous issue	: 7/19/2016	Version : 4

## Section 4. First aid measures

Eye contact	: Causes serious eye damage (Per OSHA). Causes irreversible eye damage (Per EPA)	
Inhalation	No known significant effects or critical hazards.	
Skin contact	: Causes severe burns (Per OSHA). Causes skin burns (Per EPA).	
Ingestion	No known significant effects or critical hazards (per OSHA). May be fatal if swallowed (Per EPA).	
Over-exposure signs/sym	<u>otoms</u>	
Eye contact	: Adverse symptoms may include the following: pain watering redness	
Inhalation	No specific data.	
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur	
Ingestion	: Adverse symptoms may include the following: stomach pains	
Indication of immediate me	dical attention and special treatment needed, if necessary	
Notes to physician	<ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.</li> </ul>	
Specific treatments	No specific treatment.	
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid t give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with wate before removing it, or wear gloves.	

	Section 5.	<b>Fire-fighting</b>	measures
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See toxicological information (Section 11)

Extinguishing modia	
Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides metal oxide/oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

# Section 6. Accidental release measures

Personal precautions, protec	tive equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for co	entainment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

# Section 7. Handling and storage

Precautions for safe handling	2
Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

# Section 8. Exposure controls/personal protection

#### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits	
phosphoric acid	ACGIH TLV (United S TWA: 1 mg/m <sup>3</sup> 8 hou STEL: 3 mg/m <sup>3</sup> 15 m OSHA PEL 1989 (Uni TWA: 1 mg/m <sup>3</sup> 8 hou STEL: 3 mg/m <sup>3</sup> 15 m NIOSH REL (United S TWA: 1 mg/m <sup>3</sup> 15 m OSHA PEL (United S TWA: 1 mg/m <sup>3</sup> 8 hou	urs. inutes. ited States, 3/1989). urs. inutes. States, 10/2013). purs. inutes. tates, 2/2013).
Appropriate engineering controls	: If user operations generate dust, fumes, gas, vapor or mist, use local exhaust ventilation or other engineering controls to keep v airborne contaminants below any recommended or statutory lin	vorker exposure to
Environmental exposure controls	: Emissions from ventilation or work process equipment should be they comply with the requirements of environmental protection cases, fume scrubbers, filters or engineering modifications to the will be necessary to reduce emissions to acceptable levels.	legislation. In some
Individual protection meas	<u>Ires</u>	
Hygiene measures	: Wash hands, forearms and face thoroughly after handling cheme eating, smoking and using the lavatory and at the end of the work Appropriate techniques should be used to remove potentially converse Wash contaminated clothing before reusing. Ensure that eyew showers are close to the workstation location.	orking period. ontaminated clothing.
Eye/face protection	: Safety eyewear complying with an approved standard should be assessment indicates this is necessary to avoid exposure to liq gases or dusts. If contact is possible, the following protection s the assessment indicates a higher degree of protection: chemi or face shield. If inhalation hazards exist, a full-face respirator Recommended: splash goggles	uid splashes, mists, hould be worn, unless cal splash goggles and/
Skin protection		
Hand protection	: Chemical-resistant, impervious gloves complying with an appro worn at all times when handling chemical products if a risk asse necessary. Considering the parameters specified by the glove during use that the gloves are still retaining their protective prop noted that the time to breakthrough for any glove material may glove manufacturers. In the case of mixtures, consisting of sev protection time of the gloves cannot be accurately estimated. > time): butyl rubber	essment indicates this is manufacturer, check perties. It should be be different for different veral substances, the
Body protection	: Personal protective equipment for the body should be selected performed and the risks involved and should be approved by a handling this product.	
Other skin protection	<ul> <li>Appropriate footwear and any additional skin protection measur based on the task being performed and the risks involved and s specialist before handling this product.</li> </ul>	
Respiratory protection	: Based on the hazard and potential for exposure, select a respir appropriate standard or certification. Respirators must be used respiratory protection program to ensure proper fitting, training, aspects of use.	l according to a

Obtained by Global Safety Management, www.globalsafetynet.com, (877) 683-7460

## Section 8. Exposure controls/personal protection

Personal protective equipment (Pictograms)



# Section 9. Physical and chemical properties

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<u>Appearance</u>	
Physical state	: Liquid.
Color	: Clear. Green.
Odor	: Citrus Floral.
Odor threshold	: Not available.
рН	: 0.5 to 1.5
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: Not applicable. [Product does not sustain combustion.]
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 1.0729
Solubility	: Easily soluble in the following materials: cold water.
Partition coefficient: n- octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.

# Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials: alkalis
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
phosphoric acid citric acid Quaternary ammonium compounds, benzyl- C12-16-alkyldimethyl, chlorides	LD50 Oral LD50 Oral LD50 Oral	Rat Rat Rat	1.25 g/kg 3 g/kg 426 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
citric acid	Eyes - Severe irritant	Rabbit	-	24 hours 750 Micrograms	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	0.5 Mililiters	-
Quaternary ammonium compounds, benzyl- C12-16-alkyldimethyl, chlorides	Skin - Severe irritant	Rabbit	-	25 milligrams	-

#### **Sensitization**

Not available.

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### Reproductive toxicity

Not available.

#### **Teratogenicity**

Not available.

### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Not available.

Information on the likely routes of exposure	:	Routes of entry anticipated: Oral, Dermal, Inhalation.
Potential acute health effects	2	
Eye contact	1	Causes serious eye damage (Per OSHA). Causes irreversible eye damage (Per EPA).
Inhalation	1	No known significant effects or critical hazards.
Skin contact	1	Causes severe burns (Per OSHA). Causes skin burns (Per EPA).
Ingestion	:	No known significant effects or critical hazards (per OSHA). May be fatal if swallowed (Per EPA).

#### Symptoms related to the physical, chemical and toxicological characteristics

# Section 11. Toxicological information

Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains

Delayed and immediate effect	ts	and also chronic effects from short and long term exposure
Short term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Long term exposure		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effe	ect	<u>s</u>
Not available.		
General	:	No known significant effects or critical hazards.
Carcinogenicity	:	No known significant effects or critical hazards.
Mutagenicity	:	No known significant effects or critical hazards.
Teratogenicity	:	No known significant effects or critical hazards.
Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

#### Numerical measures of toxicity

Acute toxicity estimates

Not available.

# Section 12. Ecological information

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Product/ingredient name	Result	Species	Exposure
phosphoric acid	Acute EC50 105 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 60 ppm Fresh water	Fish - Lepomis macrochirus	96 hours
citric acid	Acute LC50 160000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
Quaternary ammonium compounds, benzyl- C12-16-alkyldimethyl,	Acute EC50 670 μg/l Fresh water	Algae - Chlorella pyrenoidosa - Exponential growth phase	96 hours
chlorides			
	Acute EC50 5.9 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 64 ppb Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 4.15 ppb Marine water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 32.2 ppb	Fish - Pimephales promelas	34 days
dimethyldioctylammonium chloride	Acute EC50 0.1 ppm Fresh water	Daphnia - Daphnia magna	48 hours
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Acute LC50 0.7 ppm Fresh water | Fish - Oncorhynchus mykiss | 96 hours

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
citric acid	-1.8	-	low

#### **Mobility in soil**

Soil/water partition	: Not available.
coefficient (Koc)	

Other adverse effects : No known significant effects or critical hazards.

### Section 13. Disposal considerations

Disposal methods	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	ΙΑΤΑ
UN number	1903	1903	1903	1903	1903	1903
UN proper shipping name	Disinfectant, Liquid, Corrosive, N.O. S. (Didecyldimethylammonium chloride, Phosphoric Acid)	Disinfectant, Liquid, Corrosive, N.O. S. (Didecyldimethylammonium chloride, Phosphoric Acid)	Disinfectant, Liquid, Corrosive, N.O. S. (Didecyldimethylammonium chloride, Phosphoric Acid)	Disinfectant, Liquid, Corrosive, N.O. S. <sup>(Didecyldimethylammonium</sup> chloride, Phosphoric Acid)	Disinfectant, Liquid, Corrosive, N.O. S. <sup>(Didecyldimethylammonium</sup> chloride, Phosphoric Acid)	Disinfectant, Liquid, Corrosive, N.O. S. <sup>(Didecyldimethylammonium</sup> chloride, Phosphoric Acid)
Transport hazard class(es)	8	8	8	8	8	8
Packing group	ш	ш	111	Ш	Ш	Ш
Environmental hazards	No.	Yes.	No.	No	No	No.
Date of issue/Date of r	evision :	2/13/2017 Date o	f previous issue	: 7/19/2016	Version	:4 9/1

# Section 14. Transport information

		1	1	1	1	,
Additional	Reportable	Product	-	The	The marine	The
information	<u>quantity</u>	classified as		environmentally	pollutant mark	environmentally
	33333.3 lbs /	per the		hazardous	is not required	hazardous
	15133.3 kg	following		substance	when	substance
	[3726.2 gal /	sections of the		mark is not	transported in	mark may
	14105.1 L]	Transportation		required when	sizes of ≤5 L or	appear if
	Package sizes	of Dangerous		transported in	≤5 kg.	required by
	shipped in	Goods		sizes of ≤5 L or		other
	quantities less	Regulations: 2.		≤5 kg.		transportation
	than the	40-2.42 (Class				regulations.
	product	8), 2.7 (Marine				
	reportable	pollutant mark).				
	quantity are					
	not subject to	The marine				
	the RQ	pollutant mark				
	(reportable	is not required				
	quantity)	when				
	transportation	transported by				
	requirements.	road or rail.				
	Limited	Explosive				
	quantity	Limit and				
	Yes.	Limited				
		Quantity Index				
		5				

#### Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of MARPOL and the IBC Code

# Section 15. Regulatory information

U.S. Federal regulations	: TSCA 4(a) proposed test rules: Quaternary ammonium compounds, benzyl- C12-16-alkyldimethyl, chlorides
	<b>TSCA 8(a) PAIR</b> : 2-methylundecanal; α-hexylcinnamaldehyde; 2-(4-tert-butylbenzyl) propionaldehyde
	TSCA 8(a) CDR Exempt/Partial exemption: Not determined
	Not determined.
	Clean Water Act (CWA) 311: Phosphoric acid, solution
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Not listed
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Not listed
SARA 302/304	
Composition/information	<u>on ingredients</u>
Date of issue/Date of revision	: 2/13/2017 Date of previous issue : 7/19/2016 Version : 4 10/1

# Section 15. Regulatory information

No products were found.

#### SARA 304 RQ

: Not applicable.

#### SARA 311/312 Classification

: Immediate (acute) health hazard

#### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
phosphoric acid	≥10 - <25	No.	No.	No.	Yes.	No.
citric acid	≥10 - <25	No.	No.	No.	Yes.	No.
Quaternary ammonium compounds, benzyl- C12-16-alkyldimethyl, chlorides	≥1 - <3	No.	No.	No.	Yes.	No.
decyldimethyloctylammonium chloride	≥0.3 - <1	No.	No.	No.	Yes.	Yes.
dimethyldioctylammonium chloride	≥0.3 - <1	No.	No.	No.	Yes.	Yes.
Terpenes and Terpenoids, sweet orange-oil	≥0.1 - <0.3	Yes.	No.	No.	Yes.	No.

#### **State regulations**

Massachusetts	: The following components are listed: PHOSPHORIC ACID
New York	: The following components are listed: Phosphoric acid
New Jersey	<ul> <li>The following components are listed: PHOSPHORIC ACID; ETHYL ALCOHOL; ALCOHOL</li> </ul>
Ponnsylvania	The following components are listed: PHOSPHORIC ACID: DENATI RED ALCOHO

Pennsylvania : The following components are listed: PHOSPHORIC ACID; DENATURED ALCOHOL; ETHANOL

#### International regulations

Chemical Weapon Convention List Schedules I, II & III Chemical	<u>cals</u>
Not listed.	

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

# Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

#### International lists

National inventory	
Australia	: Not determined.
Canada	: Not determined.
China	: Not determined.
Europe	: Not determined.
Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.
Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.

: 2/13/2017

Taiwan

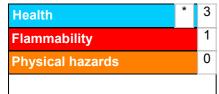
### Section 15. Regulatory information

**Republic of Korea** 

: Not determined. : Not determined.

### Section 16. Other information

#### Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

#### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

#### Procedure used to derive the classification

Classification			Justification			
Skin Corr. 1, H314 Eye Irrit. 2A, H319			judgment judgment			
<u>History</u>		·				
Date of printing	: 2/13/2017					
Date of issue/Date of revision	: 2/13/2017					
Date of previous issue	: 7/19/2016					
Version	: 4					
Key to abbreviations	BCF = Bioc GHS = Glot IATA = Inter IBC = Inter IMDG = Inter LogPow = Io MARPOL =	e Toxicity Estimate oncentration Factor ally Harmonized Syster national Air Transport A nediate Bulk Container rnational Maritime Dang garithm of the octanol/ International Conventio by the Protocol of 1978 Nations	ssociation gerous Goods water partition coeffi n for the Prevention	cient of Pollution From		
References	: Not availabl	Э.				
Indicates information that	at has changed f	om previously issued	version.			
Notice to reader						
Date of issue/Date of revision	: 2/13/2017	Date of previous issue	: 7/19/2016	Version	:4 12/	

### Section 16. Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.