SAFETY DATA SHEET



Clear Image

GHS product identifier	: Clear Image
Other means of identification	: Not available.
Product type	: Liquid.
Relevant identified uses of	the substance or mixture and uses advised against
Not applicable.	
Supplier's details	: Betco Corporation 400 Van Camp Road Toledo, Ohio 43402 www.betco.com 888-462-3826
Emergency telephone number (with hours of operation)	: Chemtrec (800) 424-9300 24 hour
Section 2. Hazard	ds identification
OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	: SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A
GHS label elements	
Hazard pictograms	
Signal word	: Warning
Hazard statements	: Causes serious eye irritation. Causes skin irritation.
Precautionary statements	
Prevention	 Wear protective gloves: 1 - 4 hours (breakthrough time): butyl rubber. Wear eye or face protection: Recommended: safety glasses with side-shields. Wash hands thoroughly after handling.
Response	: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	: Not applicable.
Disposal	: Not applicable.
Hazards not otherwise classified	: None known.

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Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

- Other means of identification
- : Not available.

CAS number/other identifiers

CAS number	: Not applicable.

Prod	luct c	ode	

: 199

Ingredient name	%	CAS number
2-butoxyethanol	≥9 - <10	111-76-2
tetrasodium ethylene diamine tetraacetate	≥1 - <1.8	64-02-8
sodium xylenesulphonate	≥1.1 - <3	1300-72-7
sodium dodecyl sulphate	≥1 - <1.1	151-21-3

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 aid measures

Eye contact	:	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. Get medical attention.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention if adverse health effects persist or are severe. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	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. Get medical attention if adverse health effects persist or are severe. 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 sym	nptoms/effects, acute and delayed
Potential acute hea	alth effects
Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation.
Ingestion	: No known significant effects or critical hazards.
<u>Over-exposure sig</u>	<u>ns/symptoms</u>

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Section 4. First aid measures

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.
Indication of immediate me	dical attention and special treatment needed, if necessary
Notes to physician	 In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.
Protection of first-aiders	 No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

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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 nitrogen oxides sulfur 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	<u>tiv</u>	e equipment and emergency	<u>procedures</u>				
For non-emergency personnel	:	No action shall be taken involv Evacuate surrounding areas. entering. Do not touch or walk Provide adequate ventilation. inadequate. Put on appropriat	Keep unnecessa through spilled Wear appropriat	ry and unprotecte material. Avoid b e respirator when	ed perso reathing	onnel from g vapor or m	ist.
For emergency responders	:	If specialized clothing is requir Section 8 on suitable and unsu emergency personnel".					
Environmental precautions	:	Avoid dispersal of spilled mate and sewers. Inform the releva pollution (sewers, waterways, s	nt authorities if t				
Date of issue/Date of revision		: 2/8/2017 Date of previous iss	; 4/30/20	015	Version	: 2.01	3/12

Section 6. Accidental release measures

Methods and materials for containment 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). 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

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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. 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
2-butoxyethanol	OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. TWA: 25 ppm 8 hours. TWA: 120 mg/m ³ 8 hours. NIOSH REL (United States, 10/2013). Absorbed through skin. TWA: 5 ppm 10 hours. TWA: 24 mg/m ³ 10 hours. ACGIH TLV (United States, 3/2015). TWA: 20 ppm 8 hours. OSHA PEL (United States, 2/2013). Absorbed through skin. TWA: 50 ppm 8 hours. TWA: 240 mg/m ³ 8 hours.

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Section 8. Exposure controls/personal protection

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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.
Individual protection measur	res
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.
Eye/face protection	: 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, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: safety glasses with side-shields
Skin protection	
Hand protection	: 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. 1 - 4 hours (breakthrough time): butyl rubber
Body protection	: 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.
Other skin protection	 Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Color	: Clear. Blue.
Odor	: Pleasant.
Odor threshold	: Not available.
рН	: 7 to 10.5
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: >100°C (>212°F)
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	: 0.98
Solubility	: Easily soluble in the following materials: cold water and hot water.

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Section 9. Physical and chemical properties

Partition coefficient: n- octanol/water	1	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	1	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	: No specific data.
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
2-butoxyethanol	LC50 Inhalation Gas. LD50 Dermal LD50 Oral	Rat Rabbit Rat	450 ppm 220 mg/kg 250 mg/kg	4 hours - -
tetraacetate	LD50 Oral	Rat	10 g/kg	-
sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-

Irritation/Corrosion

E tetrasodium ethylene diamine	Eyes - Moderate irritant Eyes - Severe irritant Skin - Mild irritant	Rabbit Rabbit Rabbit	-	24 hours 100 milligrams 100 milligrams 500	-
s tetrasodium ethylene diamine	Skin - Mild irritant		-	100 milligrams	-
s tetrasodium ethylene diamine	Skin - Mild irritant		-	milligrams	-
tetrasodium ethylene diamine		Rabbit	-	•	
tetrasodium ethylene diamine		Rabbit	-	500	
-				000	-
-				milligrams	
	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-
tetraacetate				milligrams	
S	Skin - Moderate irritant	Rabbit	-	24 hours 500	-
				milligrams	
sodium dodecyl sulphate	Eyes - Mild irritant	Rabbit	-	250	-
				Micrograms	
E	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-
				milligrams	
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
S	Skin - Mild irritant	Dog	-	24 hours 25	-
				milligrams	
S	Skin - Mild irritant	Guinea pig	-	24 hours 25	-
				milligrams	
S	Skin - Mild irritant	Human	-	2 hours 2	-
				Percent	
S	Skin - Mild irritant	Human	-	504 hours 0.3	-

Section 11. Toxicological information

oxioological informati	•			
			Percent	
Skin - Mild irritant	Human	-	24 hours 0.06	-
			Percent	
Skin - Mild irritant	Human	-	22 hours 10	-
			Percent	
Skin - Mild irritant	Human	-	47 hours 0.5	-
			Percent	
Skin - Mild irritant	Human	-	18 hours 2	-
			Percent	
Skin - Moderate irritant	Human	-	48 hours 3	-
			Percent	
Skin - Moderate irritant	Human	-	24 hours 0.1	-
			Percent	
Skin - Moderate irritant	Mouse	-	24 hours 25	-
			milligrams	
Skin - Mild irritant	Pig	-	24 hours 25	-
			milligrams	
Skin - Mild irritant	Rabbit	-	24 hours 50	-
			milligrams	
Skin - Moderate irritant	Rabbit	-	24 hours 25	-
			milligrams	

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
2-butoxyethanol	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	•••	Route of exposure	Target organs
sodium xylenesulphonate	Category 3	Not applicable.	Respiratory tract irritation
sodium dodecyl sulphate	Category 3	Not applicable.	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely : Routes of entry anticipated: Oral, Dermal, Inhalation.

routes of exposure

Potential acute health effects

Eye contact	: Causes serious eye irritation.
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Inhalation : No known significant effects or critical hazards.

Section 11. Toxicological information

Skin contact	1	Causes skin irritation.
Ingestion	1	No known significant effects or critical hazards.
Symptoms related to the phy	/sic	cal, chemical and toxicological characteristics
Eye contact	:	Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	1	No specific data.
Skin contact	:	Adverse symptoms may include the following: irritation redness
Ingestion	:	No specific data.
	:ts	and also chronic effects from short and long term exposure
<u>Short term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
<u>Long term exposure</u>		
Potential immediate effects	:	Not available.
Potential delayed effects	:	Not available.
Potential chronic health effe	<u>ect</u>	<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 estimatesRouteATE valueOral4230 mg/kgDermal29154.5 mg/kg

Section 12. Ecological information

Toxicity Product/ingredient name Result **Species** Exposure 2-butoxyethanol Acute EC50 >1000 mg/l Fresh water Daphnia - Daphnia magna 48 hours Acute LC50 800000 µg/l Marine water Crustaceans - Crangon crangon 48 hours Acute LC50 1250000 µg/l Marine water Fish - Menidia beryllina 96 hours tetrasodium ethylene diamine Acute LC50 486000 µg/l Fresh water Fish - Lepomis macrochirus 96 hours tetraacetate sodium dodecyl sulphate Acute EC50 1200 µg/l Marine water Algae - Skeletonema costatum 96 hours Acute LC50 900 µg/l Marine water Crustaceans - Artemia salina -48 hours Adult Acute LC50 1400 µg/l Fresh water Daphnia - Daphnia pulex -48 hours Date of issue/Date of revision : 2/8/2017 Date of previous issue : 4/30/2015 Version : 2.01 8/12

Section 12. Ecological information

Acute LC50 590 µg/l Fresh water	Neonate Fish - Cirrhinus mrigala - Larvae	96 hours
Chronic NOEC 1.25 mg/l Marine water Chronic NOEC 1 mg/l Fresh water	Algae - Ulva fasciata - Zoea Crustaceans - Pseudosida	96 hours 21 days
Chronic NOEC 3.2 mg/l Fresh water	ramosa - Neonate Daphnia - Daphnia magna -	21 days
Chronic NOEC >1357 µg/l Fresh water	Neonate Fish - Pimephales promelas	42 days

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-butoxyethanol tetrasodium ethylene diamine tetraacetate	0.81 5.01	- 1.8	low low
sodium xylenesulphonate sodium dodecyl sulphate	-3.12 -2.03	-	low 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	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-	-
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Date of issue/Date of r	revision :	2/8/2017 Date o	f previous issue	: 4/30/2015	Version	: 2.01 9,

 Clear Image

 Section 14. Transport information

 Additional information
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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 to Annex II of MARPOL and : Not available.

Section 15. Regulatory information

the IBC Code

		-					
J.S. Federal regulations	: Т	SCA 8(a) PAIR: (2-n	nethoxym	nethylethoxy)pr	opanol; 2,6-di	methylhept-5-e	enal
	TSCA 8(a) CDR Exempt/Partial exemption: Not determined						
	Al	I components are lis	sted or ex	empted.			
	C	lean Water Act (CW	VA) 311: :	sodium hydrox	ide		
Clean Air Act Section 112	• NL	ot listed					
(b) Hazardous Air Pollutants (HAPs)	. 110						
Clean Air Act Section 602 Class I Substances	: No	ot listed					
Clean Air Act Section 602 Class II Substances	: No	ot listed					
DEA List I Chemicals (Precursor Chemicals)	: No	ot listed					
DEA List II Chemicals (Essential Chemicals)	: No	ot listed					
SARA 302/304							
Composition/information or	<u>ı ing</u>	redients					
No products were found.							
SARA 304 RQ	: No	ot applicable.					
<u>SARA 311/312</u>							
Classification	: Im	nmediate (acute) he	alth haza	rd			
Composition/information or	<u>n ing</u>	<u>redients</u>					
Name		%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
2-butoxyethanol tetrasodium ethylene diamine tetraacetate)	≥9 - <10 ≥1 - <1.8	Yes. No.	No. No.	No. No.	Yes. Yes.	No. No.
sodium xylenesulphonate		≥1.1 - <3	No.	No.	No.	Yes.	No.
sodium dodecyl sulphate		≥1 - <1.1	No.	No.	No.	Yes.	No.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	2-butoxyethanol	111-76-2	≥9 - <10
Supplier notification	2-butoxyethanol	111-76-2	≥9 - <10

Section 15. Regulatory information

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

copying and redistribut	ion of the holice attached to copies of the SDS subsequently redistributed.
State regulations	
Massachusetts	: The following components are listed: 2-BUTOXYETHANOL; BUTYL CELLOSOLVE
New York	: None of the components are listed.
New Jersey	: The following components are listed: 2-BUTOXY ETHANOL; BUTYL CELLOSOLVE
Pennsylvania	: The following components are listed: ETHANOL, 2-BUTOXY-
International regulations	<u>s</u>
Chemical Weapon Con	vention List Schedules I, II & III Chemicals
Not listed.	
Montreal Protocol (Ani	nexes A, B, C, E)
Not listed.	
Stockholm Conventior	n on Persistent Organic Pollutants
Not listed.	
Pottordom Convention	n on Prior Inform Consent (PIC)
Not listed.	
	ol on POPs and Heavy Metals
Not listed.	
International lists	
National inventory	
Australia	: Not determined.
Canada	: At least one component is not listed in DSL but all such components are listed in NDSL.
China	: Not determined.
Europe	: Not determined.
Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: Not determined.
Republic of Korea	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.)

Section 16. Other information



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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

Clas	sification	Justification
Skin Irrit. 2, H315 Eye Irrit. 2A, H319		Calculation method Calculation method
<u>History</u>		•
Date of printing	: 4/25/2017	
Date of issue/Date of revision	: 2/8/2017	
Date of previous issue	: 4/30/2015	
Version	: 2.01	
Key to abbreviations	IATA = International Air Tra IBC = Intermediate Bulk Co IMDG = International Mariti LogPow = logarithm of the MARPOL = International Co	ctor d System of Classification and Labelling of Chemicals insport Association intainer
References	: 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.