SAFETY DATA SHEET



Deep Blue Concentrate 1:20

Section 1. Identif	ication
GHS product identifier	: Deep Blue Concentrate 1:20
Other means of identification	: Not available.
Product type	: Liquid.
	the substance or mixture and uses advised against
Not applicable.	
Supplier's details	: Betco Corporation 1001 Brown Avenue Toledo, OH 43607 www.betco.com 888-462-3826
Emergency telephone number (with hours of operation)	: Chemtrec 800-424-9300 (24 Hour)
Section 2. Hazard	is 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 CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ 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 hour (breakthrough time): disposable vinyl. Wear eye or face protection: Recommended: splash goggles. Wash hands thoroughly after handling
Response	: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing 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.

Section 3. Composition/information on ingredients

Substance/mixture Other means of identification

: Mixture

: Not available.

CAS number/other identifiers

CAS number	: Not applicable.
	004

Product code : 281

Ingredient name	%	CAS number
2-Butoxyethanol; Ethylene glycol monobutyl ether	≥10 - <17	111-76-2
ammonia	≥3 - <4	1336-21-6
Poly(oxy-1,2-ethanediyl), α -sulfo- ω -(dodecyloxy)-, sodium salt (1:1)	≥1 - <1.5	9004-82-4

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

Description of necessary ms	
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 symptoms/ef	fects, acute and delaved

Potential acute health eff	ects
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.
Over-exposure signs/sym	<u>iptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Date of issue/Date of revision	: 3/31/2015. Date of previous issue : No previous validation. Version : 1 2/12

Section 4. First aid measures

Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

Indication of immediate med	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	
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, protective 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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised 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 containment and cleaning up

3/12

Section 6. Accidental release measures

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; Ethylene glycol monobutyl ether	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, 4/2014).
	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.
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.
Date of issue/Date of revision	: 3/31/2015. Date of previous issue : No previous validation. Version : 1 4/12

Section 8. Exposure controls/personal protection

Individual protection measures

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: splash goggles
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 hour (breakthrough time): disposable vinyl
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	:	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.
Personal protective equipment (Pictograms)	:	

Section 9. Physical and chemical properties

Appearance	
Physical state	: Liquid.
Color	: Blue. [Dark]
Odor	: Ammoniacal.
Odor threshold	: Not available.
рН	: 10 to 11.4
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

Section 9. Physical and chemical properties

Solubility	: Easily soluble in the following materials: cold water. Soluble in the following materials: hot water.	
Partition coefficient: n- octanol/water	: Not available.	
Auto-ignition temperature	: Not available.	
Decomposition temperature	: Not available.	
Viscosity	: Not available.	

Section 10. Stabil	ity 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; Ethylene glycol monobutyl ether	LC50 Inhalation Gas.	Rat	450 ppm	4 hours
ammonia	LD50 Dermal LD50 Oral LD50 Oral	Rabbit Rat Rat	220 mg/kg 250 mg/kg 350 mg/kg	-
Poly(oxy-1,2-ethanediyl), α - sulfo- ω -(dodecyloxy)-, sodium salt (1:1)	LD50 Oral	Rat	1600 mg/kg	-

Irritation/Corrosion

Result	Species	Score	Exposure	Observation
Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
Eyes - Severe irritant	Rabbit	-	100	-
Skin - Mild irritant	Rabbit	-	500	-
Eyes - Severe irritant	Rabbit	-	250	-
Eyes - Severe irritant	Rabbit	-	0.5 minutes 1	-
Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
Eyes - Severe irritant	Rabbit	-	24 hours 100 microliters	-
Skin - Moderate irritant	Rabbit	-	24 hours 25	-
Skin - Severe irritant	Rabbit	-	24 hours 500	-
	Eyes - Moderate irritant Eyes - Severe irritant Skin - Mild irritant Eyes - Severe irritant Eyes - Severe irritant Eyes - Moderate irritant Eyes - Severe irritant Skin - Moderate irritant	Eyes - Moderate irritantRabbitEyes - Severe irritantRabbitSkin - Mild irritantRabbitEyes - Severe irritantRabbitEyes - Severe irritantRabbitEyes - Severe irritantRabbitEyes - Moderate irritantRabbitEyes - Severe irritantRabbitSkin - Moderate irritantRabbitSkin - Moderate irritantRabbit	Eyes - Moderate irritantRabbit-Eyes - Severe irritantRabbit-Skin - Mild irritantRabbit-Eyes - Severe irritantRabbit-Eyes - Severe irritantRabbit-Eyes - Severe irritantRabbit-Eyes - Moderate irritantRabbit-Eyes - Severe irritantRabbit-Eyes - Moderate irritantRabbit-Skin - Moderate irritantRabbit-	Eyes - Moderate irritantRabbit-24 hours 100 milligramsEyes - Severe irritantRabbit-100 milligramsSkin - Mild irritantRabbit-500 milligramsEyes - Severe irritantRabbit-250 MicrogramsEyes - Severe irritantRabbit-0.5 minutes 1 milligramsEyes - Severe irritantRabbit-0.5 minutes 1 milligramsEyes - Moderate irritantRabbit-24 hours 20 milligramsEyes - Severe irritantRabbit-24 hours 20 milligrams

Section 11. Toxicological information

milligrams

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
2-Butoxyethanol; Ethylene glycol monobutyl ether	-	3	-

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		
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.

Symptoms related to the physical, chemical and toxicological characteristics

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.

Delayed and immediate effect	ts and also chronic effects from short and long term exposure
<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects Long term exposure	: Not available.

Section 11. Toxicological information

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	ects
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 valueOral3006.3 mg/kgDermal9353.7 mg/kgInhalation (vapors)93.54 mg/l

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
2-Butoxyethanol; Ethylene glycol monobutyl ether	Acute EC50 >1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
ammonia	Acute LC50 800000 µg/l Marine water Acute LC50 1250000 µg/l Marine water Acute LC50 37 ppm Fresh water Acute EC50 3.12 mg/l Fresh water	Crustaceans - Crangon crangon Fish - Menidia beryllina Fish - Gambusia affinis - Adult Crustaceans - Ceriodaphnia dubia - Neonate	48 hours 96 hours 96 hours 48 hours

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-Butoxyethanol; Ethylene glycol monobutyl ether	0.81	-	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.
Additional information	Reportable quantity 31397.2 lbs / 14254.3 kg [3842.4 gal / 14545.2 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.			-		

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 73/78 and the IBC Code

Section 15. Regulatory information

U.S. Federal regulations	:	TSCA 8(a) CDR Exempt/Partial exemption: Not determined
		All components are listed or exempted.
		Clean Water Act (CWA) 311: ammonia; sodium hydroxide; edetic acid
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	on i	ingredients
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
2-Butoxyethanol; Ethylene glycol monobutyl ether	≥10 - <17	No.	No.	No.	Yes.	No.
ammonia	≥3 - <4	No.	No.	No.	Yes.	No.
Poly(oxy-1,2-ethanediyl), α -sulfo- ω -(dodecyloxy)-, sodium salt (1:1)		No.	No.	No.	Yes.	No.

SARA 313

	Product name	CAS number	%
Form R - Reporting	2-butoxyethanol	111-76-2	≥10 - <17
requirements	ammonia	1336-21-6	≥3 - <4
Supplier notification	2-butoxyethanol	111-76-2	≥10 - <17
	ammonia	1336-21-6	≥3 - <4

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.

State regulations

Massachusetts	: The following components are listed: 2-BUTOXYETHANOL; AMMONIUM HYDROXIDE
New York	: The following components are listed: Ammonium hydroxide
New Jersey	 The following components are listed: 2-BUTOXY ETHANOL; BUTYL CELLOSOLVE; AMMONIUM HYDROXIDE; ETHYL ALCOHOL; ALCOHOL
Pennsylvania	 The following components are listed: ETHANOL, 2-BUTOXY-; AMMONIUM HYDROXIDE ((NH4)(OH)); DENATURED ALCOHOL

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemical	2
Not listed.	

Section 15. Regulatory information

Montreal Protocol (Ann Not listed.	nexes A, B, C, E)
	en Rensistant Ornenia Rellutente
Not listed.	on Persistent Organic Pollutants
	on Prior Inform Consent (PIC)
Not listed.	
UNECE Aarhus Protoco	ol on POPs and Heavy Metals
Not listed.	
nternational lists	
National inventory	
Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Europe	: Not determined.
Japan	: All components are listed or exempted.
Malaysia	: Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.

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

Section 16. Other information

Classification		Justification	
Skin Irrit. 2, H315 Eye Irrit. 2A, H319		Calculation method Calculation method	
History			
Date of printing	: 3/31/2015.		
Date of issue/Date of revision	: 3/31/2015.		
Date of previous issue	: No previous validation.		
Version	: 1		
Key to abbreviations	BCF = Bioconcentration Fa GHS = Globally Harmonize IATA = International Air Tra IBC = International Air Co IMDG = International Mariti LogPow = logarithm of the MARPOL 73/78 = Internatio	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations	
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.