SAFETY DATA SHEET

BG Battery Cleaner—Acid Detector (Aerosol)



Section 1. Identification

GHS product identifier		:	BG Battery Cleaner—Acid Detector (Aerosol)
	Product code	:	485
	Other means of identification	:	Not available.
	Product type	:	Aerosol.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses	
Solvents	

Supplier's details	: BG Products Inc. 740 S. Wichita Street Wichita, KS, 67213, USA www.bgprod.com 316-266-8120 msds@bgprod.com
Emergency telephone	: (800) 424-9300 (CHEMTREC)

Linergency telephone	(000) + 2 + 3000 (CHEWHILE)
number (with hours of	24-hour telephone and/or website
operation)	

Section 2. Hazards identification

OSHA/HCS status	: This material is considered hazardous by the OSHA Hazard Communication Standard
	(29 CFR 1910.1200).
Classification of the	: FLAMMABLE AEROSOLS - Category 1
substance or mixture	GASES UNDER PRESSURE - Compressed gas EYE IRRITATION - Category 2B
	Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 8% Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 12% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 15%
GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	 Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes eye irritation.
Precautionary statements	
Prevention	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Wash hands thoroughly after handling. Pressurized container: Do not pierce or burn, even after use.
Response	: I N 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	: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.
Disposal	: Not applicable.
Date of issue/Date of revision	: 12/26/2018 Date of previous issue : 12/26/2018 Version : 5.1 1/13

Section 2. Hazards identification

Hazards not otherwise classified

: None known.

Section 3. Composition/information on ingredients

Substance/mixture Other means of : Mixture

identification

: Not available.

Ingredient name	%	CAS number
2-butoxyethanol	1 - 5	111-76-2
Isopropyl alcohol	1 - 5	67-63-0
sodium nitrite	0 - 0.1	7632-00-0

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. If irritation persists, get medical attention.		
Inhalation	Example: 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.		
Skin contact	Fush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. 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/effects, acute and delayed

Potential acute health effects						
Eye contact	: Causes eye irritation.					
Inhalation	: No known significant effects or critical hazards.					
Skin contact	: No known significant effects or critical hazards.					
Ingestion	: No known significant effects or critical hazards.					
Over-exposure signs/sympto	Over-exposure signs/symptoms					
Eye contact	: Adverse symptoms may include the following: irritation watering redness					

Section 4. First aid measures

Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: No specific data.
Ingestion	: No specific data.
Indication of immediate med	ical attention and special treatment needed, if necessary
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large
	quantities have been ingested or inhaled.
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	: Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
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	E e ru s fl	Evacuate su Intering. In Iscape of th uptured, tre ection. Do ares, smok idequate ve	all be taken involving rrounding areas. Kee the case of aerosols e pressurized content at as a bulk material s not touch or walk thro ing or flames in hazar ntilation. Wear appro- te personal protective	ep unnecessary and up being ruptured, care is and propellant. If a spillage according to bugh spilled material. Id area. Avoid breath priate respirator whe	unprotected perso should be taken of a large number of the instructions ir Shut off all igniti ning vapor or mist	onnel from due to the rap containers a the clean-up on sources. Provide	are p No
For emergency responders	S		d clothing is required to suitable and unsuital personnel".				
Environmental precautions	а	nd sewers.	sal of spilled material Inform the relevant a wers, waterways, soil	authorities if the produ	,		
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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. Use spark-proof tools and explosion-proof equipment. 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. Use spark-proof tools and explosion-proof equipment. 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). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
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 away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name			Exposure limits	S	
2-butoxyethanol			Absorbed throu TWA: 25 ppm 3 TWA: 120 mg/ NIOSH REL (Ur Absorbed throu TWA: 5 ppm 10 TWA: 24 mg/m ACGIH TLV (Un TWA: 20 ppm 3	8 hours. m ³ 8 hours. hited States, 10/2016). ugh skin. 0 hours. n ³ 10 hours. hited States, 3/2017). 8 hours. ited States, 6/2016). ugh skin. 8 hours.)).
Isopropyl alcohol			ACGIH TLV (Un TWA: 200 ppm	nited States, 3/2017). N 8 hours.	
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Section 8. Exposure controls/personal protection

	STEL: 400 ppm 15 minutes. OSHA PEL 1989 (United States, 3/1989).
	TWA: 400 ppm 8 hours. TWA: 980 mg/m ³ 8 hours. STEL: 500 ppm 15 minutes.
	STEL: 1225 mg/m ³ 15 minutes. NIOSH REL (United States, 10/2016).
	TWA: 400 ppm 10 hours. TWA: 980 mg/m³ 10 hours. STEL: 500 ppm 15 minutes.
	STEL: 1225 mg/m³ 15 minutes. OSHA PEL (United States, 6/2016).
	TWA: 400 ppm 8 hours. TWA: 980 mg/m ³ 8 hours.
sodium nitrite	None.

Appropriate engineering	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor
controls	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. The engineering controls also need to keep gas, vapor or dust concentrations
	below any lower explosive limits. Use explosion-proof ventilation equipment.

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 measure	<u>s</u>
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.
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.
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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
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	4	Liquid.
Color	1	Orange. Foam.
Odor	1	Ammonia. [Slight]
Odor threshold	1	Not available.
рН	1	10.8
Melting point	1	Not available.
Boiling point	1	>100°C (>212°F)
Flash point	1	Not available.
Evaporation rate	1	<1 (butyl acetate = 1)
Flammability (solid, gas)	1	Not available.
Lower and upper explosive (flammable) limits	:	Not available.
Vapor pressure	1	2.3 kPa (17.5 mm Hg) [room temperature]
Vapor density	1	<1 [Air = 1]
Relative density	1	1
Solubility	1	Easily soluble in the following materials: cold water and hot water.
Solubility in water	1	Not available.
Partition coefficient: n- octanol/water	1	Not available.
Auto-ignition temperature	1	Not available.
Decomposition temperature	1	Not available.
Viscosity	1	Not available.
Flow time (ISO 2431)	1	Not available.
Aerosol product		
Type of aerosol	1	Foam
Heat of combustion	1	5.5 kJ/g
Flame height	1	>4 cm
Flame duration	:	>7 s

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	: Avoid all possible sources of ignition (spark or flame).
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 Isopropyl alcohol	LD50 Oral LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral	Rat Rabbit	917 mg/kg 16000 mg/l 12800 mg/kg 5000 mg/kg	- 8 hours - -

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
2-butoxyethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Isopropyl alcohol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
sodium nitrite	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
2-butoxyethanol	-	3	-
Isopropyl alcohol	-	3	-
sodium nitrite	-	2A	-

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 : Not available. routes of exposure

Potential acute health effects

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Section 11. Toxicological information

		-
Eye contact	1	Causes eye irritation.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Symptoms related to the phy	/sic	al, chemical and toxicological characteristics
Eye contact	1	Adverse symptoms may include the following:
		irritation watering
		redness
Inhalation	:	Adverse symptoms may include the following:
		respiratory tract irritation coughing
Skin contact		No specific data.
Ingestion		No specific data.
ingestion		No specific data.
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 eff	<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 toxic	<u>ity</u>	

Acute toxicity estimates

Not available.

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		48 hours
	Acute LC50 1250000 µg/l Marine wate		96 hours
Isopropyl alcohol	Acute EC50 10100 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1400000 µg/l Marine wate	r Crustaceans - Crangon crangon	48 hours
	Acute LC50 4200 mg/l Fresh water	Fish - Rasbora heteromorpha	96 hours
sodium nitrite	Acute EC50 159000 µg/l Marine water	Algae - Tetraselmis chuii	72 hours
	Acute EC50 1600000 µg/l Marine wate	er Algae - Tetraselmis chuii	96 hours
	Acute LC50 1100 µg/l Fresh water	Crustaceans - Cherax	48 hours
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Section 12. Ecological information

Acute LC50 0.16 µg/l Fresh water Chronic NOEC 0.912 mg/l Marine water Chronic NOEC 0.912 mg/l Marine water Fish - Ictalurus punctatus - Fingerling Fish - Hippocampus abdominalis - Juvenile (Fledgling, Hatchling, Weanling)
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Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
2-butoxyethanol	0.81		low
Isopropyl alcohol	0.05		low
sodium nitrite	-3.7		low

Mobility in soil

Soil/water partition : Not available. coefficient (K_{oc})

Other adverse effects	: No known significant effects or critical hazards.
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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. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	UN1950	UN1950	UN1950	UN1950	UN1950	UN1950
UN proper shipping name	Aerosols	AEROSOLS	AEROSOLES	AEROSOLS	AEROSOLS	Aerosols, flammable
Transport hazard class(es)	2.1	2.1	2.1	2	2.1	2.1
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.

Additional information

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Section 14. Transport information

		•	
	DOT Classification	:	Limited quantity Yes. Packaging instruction Exceptions: 306. Non-bulk: None. Bulk: None. Quantity limitation Passenger aircraft/rail: 75 kg. Cargo aircraft: 150 kg. Special provisions N82
	TDG Classification	:	 Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2). Explosive Limit and Limited Quantity Index 1 Passenger Carrying Road or Rail Index 75 Special provisions 80, 107
	Mexico Classification	:	<u>Special provisions</u> 63, 190, 277, 327, 344
	ADR/RID	:	Emited quantity 1 L Special provisions 190, 327, 625, 344 Tunnel code (D) Remarks Limited quantity
	IMDG	:	Emergency schedules F-D, S-U Special provisions 63, 190, 277, 327, 344, 381, 959 Remarks Limited quantity
	ΙΑΤΑ	:	Quantity limitation Passenger and Cargo Aircraft: 75 kg. Packaging instructions: 203. Cargo Aircraft Only: 150 kg. Packaging instructions: 203. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y203. Special provisions A145, A167, A802 Remarks Limited quantity
S	Special precautions for use	r :	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 5(a)2 final significant new use rules: sodium nitrite
	TSCA 8(a) CDR Exempt/Partial exemption: Not determined
	Clean Water Act (CWA) 311: ammonia; sodium nitrite
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 ingredients
No products were found.	
SARA 304 RQ	: Not applicable.
<u>SARA 311/312</u>	

Section 15. Regulatory information

Classification

: AMMABLE AEROSOLS - Category 1 GASES UNDER PRESSURE - Compressed gas EYE IRRITATION - Category 2B

Composition/information on ingredients

Name	%	Classification
Petroleum gases, liquefied, sweetened	≤10	FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Compressed gas
2-butoxyethanol	≤5	FLAMMABLE LIQUIDS - Category 4 ACUTE TOXICITY (oral) - Category 4 EYE IRRITATION - Category 2A
Isopropyl alcohol	≤5	FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A
sodium nitrite	≤0.3	EYE IRRITATION - Category 2A CARCINOGENICITY - Category 1B

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	2-butoxyethanol	111-76-2	≤5
	Isopropyl alcohol	67-63-0	≤5
Supplier notification	2-butoxyethanol	111-76-2	≤5
	Isopropyl alcohol	67-63-0	≤5

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; BUTYL CELLOSOLVE; ISOPROPYL ALCOHOL; 2-PROPANOL
New York	: The following components are listed: Sodium nitrite
New Jersey	 The following components are listed: 2-BUTOXY ETHANOL; BUTYL CELLOSOLVE; ISOPROPYL ALCOHOL; 2-PROPANOL; SODIUM NITRITE; NITROUS ACID, SODIUM SALT
Pennsylvania	 The following components are listed: ETHANOL, 2-BUTOXY-; 2-PROPANOL; NITROUS ACID, SODIUM SALT

International regulations

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

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

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inv	en	to	rv	list	
			_		

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Malaysia	: Not deter	mined.			
Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.				
Europe	: Not determined.				
China	: All components are listed or exempted.				
Canada	: All components are listed or exempted.				
Australia	: All components are listed or exempted.				

Section 15. Regulatory information

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.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: All components are listed or exempted.
Viet Nam	: 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 and the associated label are not required on SDSs or products leaving a facility 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 trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

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 AMMABLE AEROSOLS - Category 1 GASES UNDER PRESSURE - Compressed gas EYE IRRITATION - Category 2B		Justification On basis of test data Expert judgment Expert judgment
Date of printing	: 12/26/2018	
Date of issue/Date of revision	: 12/26/2018	
Date of previous issue	: 12/26/2018	
Version	: 5.1	
Formulation Version number	: 1.0	

Section 16. Other information

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Key to abbreviations	: ATE = Acute Toxicity Estimate
	BCF = Bioconcentration Factor
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	IATA = International Air Transport Association
	IBC = Intermediate Bulk Container
	IMDG = International Maritime Dangerous Goods
	LogPow = logarithm of the octanol/water partition coefficient
	MARPOL = 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.
Relefences	

✓ 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.