

# SAFETY DATA SHEET

Part No. P7668CT (Liquid)

Print Date: 12/20/2018  
Revision Date: 12/20/2018  
Supersedes Date: 1/3/0017  
Issue Date: 10/28/2016  
Version: 3.0 (EN)-US  
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## HBCC Hoppes Black Copper Eliminator - 4 oz.

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 1 - IDENTIFICATION

#### 1.1 Product Identifier

Product Name : HBCC Hoppes Black Copper Eliminator - 4 oz.  
Manufacturer Product Number : P7668CT  
Supplier Product Numbers : HBCC

#### 1.2 Other Means of Identification

Other Identifiers : Not Available

#### 1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use : Gun Bore Cleaner  
Restrictions on Use : None Identified

#### 1.4 Supplier Details

	Manufacturer Details	Supplier Details
Company Name :		Bushnell Holdings Inc.
Address :		22101 West 167th St., Olathe, KS 66062 - United States
Phone Number :		1-800-423-3537
Fax Number :		
Email :		dangerous.goods@vistaoutdoor.com
Website :		

#### 1.5 24 hr Emergency Phone Number

Emergency Number : Emergency Telephone Number (Hazardous Material/Dangerous Goods Transportation Emergency ONLY)  
Emergency number: 1-800-424-9300 (Inside US), 01-703-527-3887 (Outside US) - (CHEMTREC, Day or Night)

### SECTION 2 - HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture

Flam. Liq. 4	H227	Physical Hazards	Flammable liquids Category 4
Acute Tox. 4 (Oral)	H302	Health Hazards	Acute toxicity (oral) Category 4
Acute Tox. 4 (Dermal)	H312	Health Hazards	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:Vapour)	H332	Health Hazards	Acute toxicity (inhalation:vapour) Category 4
Skin Corr. 1a	H314	Health Hazards	Skin corrosion/irritation Category 1A
Eye Dam. 1	H318	Health Hazards	Serious eye damage/eye irritation Category 1
Aquatic Acute 3	H402	Environmental Hazards	Hazardous to the aquatic environment - Acute Hazard Category 3

#### 2.2 Label Elements

##### Hazard Pictograms



##### Signal Word

**Danger**

##### Hazard Statements

H227 : Combustible liquid  
H302+H312+H332 : Harmful if swallowed, in contact with skin or if inhaled  
H314 : Causes severe skin burns and eye damage  
H318 : Causes serious eye damage  
H402 : Harmful to aquatic life

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<b>Precautionary Statements</b>	P210	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P260	: Do not breathe fumes or spray.
	P264	: Wash hands thoroughly after handling.
	P270	: Do not eat, drink or smoke when using this product.
	P271	: Use only outdoors or in a well-ventilated area.
	P273	: Avoid release to the environment.
	P280	: Wear protective gloves and eye protection.
	P301+P312	: If swallowed: Call physician if you feel unwell
	P301+P330+P331	: If swallowed: rinse mouth. Do NOT induce vomiting
	P303+P361+P353	: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
	P304+P340	: If inhaled: Remove person to fresh air and keep comfortable for breathing
	P305+P351+P338	: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
	P310	: Immediately call physician
	P312	: Call physician if you feel unwell
	P362+P364	: Take off contaminated clothing and wash it before reuse.
P370+P378	: In case of fire: Use water, CO2, dry chemical, or universal aqueous film forming foam to extinguish.	
P403+P235	: Store in a well-ventilated place. Keep cool.	
P405	: Store locked up.	
P501	: Dispose of contents/container to local regulations	

### 2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

### 2.4 Unknown acute toxicity

This product does not have any ingredients with an unknown acute toxicity.

85.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

85.5% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

95% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substance / Mixture

Substance / Mixture : Mixture

### 3.2 Composition

Substance name	CAS Number	% wt*	Classification
2-Butoxyethanol	111-76-2	5 - 10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Monoethanolamine	141-43-5	5 - 10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 2, H401

Full text of hazard classes and H-statements : see section 16

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

## SECTION 4 - FIRST-AID MEASURES

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### 4.1 Description of First-Aid Measures

General Measures	: Call a physician immediately.
Inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
Skin Contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
Eye Contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Call a physician immediately.
First-Aid Responder Protection	: Wear adequate personal protective equipment based on the nature and severity of the emergency.

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms of Exposure	: Eye Damage, Skin Burns, Respiratory Irritation, Drowsiness.
Delayed Effects	: No known delayed effects.
Immediate Effects	: No known immediate effects.
Chronic Effects	: No known chronic effects.
Target Organs	: Central Nervous System, Eyes, Respiratory System, Skin.

### 4.3 Indication of Immediate Medical Attention and Special Treatment

Notes to Physician	: Treat symptomatically.
Specific Treatments/Antidotes	: No Information Available.
Medical Conditions Aggravated	: May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

## SECTION 5 - FIRE-FIGHTING MEASURES

### 5.1 Suitable Extinguishing Media

Extinguishing Media	: Water, carbon dioxide, dry chemical, universal aqueous film forming foam.
Unsuitable Media	: Water jet.

### 5.2 Specific Hazards Arising from the Chemical or Mixture

Hazardous Combustion Products	: Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.
Specific Hazards During Firefighting	: In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.

### 5.3 Special Protective Actions for Fire-Fighters

Firefighting Instructions	: Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure.
Protection during Firefighting	: Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel	: No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.
For Emergency Personnel	: Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

### 6.2 Environmental Precautions

Environmental Precautions	: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
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### 6.3 Methods and Materials for Containment and Cleaning up

Containment Procedures	: Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.
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- Cleanup Procedures** : Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.
- Other Information** : The North American Emergency Response Guidebook or similar resources providing emergency response information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.
- Prohibited Materials** : Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.

## SECTION 7 - HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling

- General Handling Precautions** : KEEP OUT OF THE REACH OF CHILDREN. When using in spray application, conformance to NFPA 33 Spray Application using Flammable and Combustible Materials is recommended.
- Hygiene Recommendations** : Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.

### 7.2 Conditions for Safe Storage Including Any Incompatibilities

- Storage Requirements** : Storage of flammable materials should conform to NFPA 30 Flammable and Combustible Liquid. Keep containers tightly closed and stored in a well-ventilated place. Keep away from sources of ignition. . Keep containers closed when not in use. Do not store in open or unlabelled containers. Storage of individual cans should be done in an area below 55°C (120 °F), and away from heat sources.
- Incompatibilities** : Segregate storage away from materials indicated in Section 10.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

#### 2-Butoxyethanol (111-76-2)

ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	20 ppm
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	240 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	50 ppm
NIOSH	US IDLH (ppm)	700 ppm
NIOSH	NIOSH REL (TWA) (ppm)	5 ppm
California	California PEL (TWA) (mg/m <sup>3</sup> )	97 mg/m <sup>3</sup>
California	California PEL (TWA) (ppm)	20 ppm
Biological Exposure Index	Butoxyacetic Acid (BAA) in Urine, End of shift	200 mg/g creatinine

#### Monoethanolamine (141-43-5)

ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	3 ppm
ACGIH	ACGIH Ceiling (mg/m <sup>3</sup> )	6 ppm
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	3 ppm
NIOSH	US IDLH (ppm)	30 ppm
NIOSH	NIOSH REL (TWA) (ppm)	3 ppm
NIOSH	NIOSH REL (STEL) (ppm)	6 ppm
California	California PEL (TWA) (mg/m <sup>3</sup> )	8 mg/m <sup>3</sup>
California	California PEL (TWA) (ppm)	3 ppm
California	California PEL (STEL) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
California	California PEL (STEL) (ppm)	6 ppm

### 8.2 Exposure Controls

- Engineering Measures** : Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.
- Personal Protective Equipment**
- Eye / Face Protection** : Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.
- Hand Protection** : Chemical-resistant gloves, tested according to ASTM F903-17.
- Remarks** : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.

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<b>Skin and Body Protection</b>	: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.
<b>Respiratory Protection</b>	: An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits.
<b>Compliance</b>	: If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.
<b>Other Protective Equipment</b>	: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.
<b>Environmental Exposure Controls</b>	: Avoid release to the environment.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties			
Boiling Point	171.00 °C	Melting / Freezing Point	> -75.00 °C
Flash Point, Liquid	> 65.00 °C		
Explosive Limits	LEL: 1.10 UEL: 23.50 vol %	Autoignition Temperature, Liquid	> 230.00 °C
Flammability	Non-Flammable Liquid	Density	1.019 g/cm <sup>3</sup>
Molecular Weight	Not Available	Weight	8.504 lbs/gal
Vapor Pressure	Not Available	pH	Not Available
Vapor Density	Not Available	Evaporation Rate (nBac=1)	Not Available
Viscosity	Not Available	Partition Coefficient (Log Pow)	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical State	Liquid	Heat Of Combustion	Not Available
Appearance / Color	Amber	Water Solubility	Not Available
Odor	Sweet	Decomposition Temperature	Not Available

9.2 Environmental Properties			
Percent Volatile	14.50 % wt	VOC Regulatory	147.83 g/L (1.23 lbs/gal)
Percent VOC	14.50 % wt	VOC Actual	147.76 g/L (1.23 lbs/gal)
Percent HAP	0.00 % wt	HAP Content	0.00 g/L (0.00 lbs/gal)
Global Warming Potential	0.00 GWP	Maximum Incremental Reactivity	0.6150 g O3/g
Ozone Depletion Potential	0.00 ODP		

## SECTION 10 - STABILITY AND REACTIVITY

### 10.1 Reactivity

Reactivity : No specific test data related to reactivity is available for this products or its ingredients.

### 10.2 Chemical Stability

Chemical Stability : This product is stable.

### 10.3 Possibility of Hazardous Reactions

Hazardous Reactions : Under normal conditions of storage and use, hazardous reactions are not expected to occur.

### 10.4 Conditions to Avoid

Conditions to Avoid : Moisture.

### 10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Strong Acids, Bases, Nitrating Agents, Cellulose Nitrate, Alkylhalides.

### 10.6 Hazardous Decomposition Products

Thermal Decomposition : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 - TOXICOLOGICAL INFORMATION

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### 11.1 Information on Toxicological Effects

#### 2-Butoxyethanol (CAS: 111-76-2 / EC: 203-905-0)

LD50 Oral (Rat)	917 mg/kg (RTECS)
LD50 Dermal (Rabbit)	1060 mg/kg (Sigma-Aldrich)

#### Monoethanolamine (CAS: 141-43-5 / EC: 205-483-3)

LD50 Oral (Rat)	1970 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	1000 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	> 1210 mg/l/4h (ChemInfo)

Routes Of Exposure	: Eye Contact, Ingestion, Skin Contact, Inhalation, Skin Absorption.
Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure	: See Section 4.2
Skin Corrosion/Irritation	: Causes severe skin burns and eye damage.
Eye Damage/Irritation	: Causes serious eye damage.
Respiratory or Skin Sensitization	: Not classified
Germ Cell Mutagenicity	: Not classified
Reproductive Toxicity	: Not classified
STOT-Single Exposure	: Not classified
STOT-Repeated Exposure	: Not classified
Aspiration Hazard	: Not classified
Carcinogen Data	: The following ingredients are listed as known or suspected carcinogens:

#### 2-Butoxyethanol (CAS: 111-76-2 / EC: 203-905-0)

ACGIH Category	A3 - Confirmed animal carcinogen with unknown relevance to humans
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## SECTION 12 - ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity and Ecological Properties

#### 2-Butoxyethanol (111-76-2)

LC50 Fish	1490 mg/l Bluegill Sunfish - 96h
LC50 Fish	1474 mg/l Rainbow Trout - 96hr
EC50 Daphnia	1698 - 1940 mg/l Water Flea - 24hr
EC50 Other Aquatic Organisms	1840 mg/l Green Algae - 72hr
Persistence and Degradability	Biodegradability 90% / 28 days.
Biochemical Oxygen Demand	0.71 g O <sub>2</sub> /g substance
Chemical Oxygen Demand	2.2 g O <sub>2</sub> /g substance
Theoretical Oxygen Demand	2.305 g O <sub>2</sub> /g substance
Log Pow	0.81 (Experimental value; BASF test; 25 °C)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).

#### Monoethanolamine (141-43-5)

LC50 Fish	> 200 mg/l Rainbow Trout - 96hr
EC50 Daphnia	65 mg/l Water Flea - 48hr
EC50 Other Aquatic Organisms	2.8 mg/l Green Algae - 72hr
EC50 Other Aquatic Organisms	110 mg/l Bacteria - 17hr
Persistence and Degradability	Biodegradability 90% / 28 days.
Biochemical Oxygen Demand	800 mg/g
Theoretical Oxygen Demand	1310 mg/g
Log Pow	-1.31
Bioaccumulative Potential	Bioaccumulation: not applicable.

## SECTION 13 - DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

Waste Disposal	: Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal
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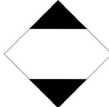

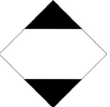
*methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.*

**Waste Disposal Of Packaging** : Consult with your local landfill to determine if empty small containers can be disposed of along with regular trash pickup. For disposal of large containers (typically 10 gallons or larger), or for containers not suitable for landfill, a licensed reconditioner should be used.

**Landfill Precautions** : Not Available.

**Incineration Precautions** : Not Available.

## SECTION 14 - TRANSPORTATION INFORMATION

14.1 UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Number	UN1760	UN1760	UN1760
14.2 UN Proper Shipping Name	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Proper Shipping Name	<i>Corrosive Liquid, NOS (Contains Monoethanolamine), Limited Quantity</i>	<i>Corrosive Liquid, NOS (Contains Monoethanolamine), Limited Quantity</i>	<i>Corrosive Liquid, NOS (Contains Monoethanolamine), Limited Quantity</i>
14.3 Transport Hazard Class(es)	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es)	8	8	8
Labels	None	8 - Corrosive	None
Limited Quantity	Yes 	Yes 	Yes 
EmS Code	Not Applicable	Not Applicable	F-A, S-B
14.4 Packing Group	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Packing Group	III	III	III
14.5 Environmental Hazards	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Marine Pollutant	No	No	No
14.6 Special Precautions	Precautions : None Identified		
14.7 Transport in Bulk	Remarks : Not applicable for product as supplied		

## SECTION 15 - REGULATORY INFORMATION

15.1 Federal Regulations	
<b>SARA Section 313</b>	: This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
<b>TSCA Section 12(b)</b>	: This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D
<b>CERCLA Reportable Quantity</b>	: This product or mixture is not known to contain a chemical or chemicals subject to the release reporting requirements of section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

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**TSCA Inventory (United States)** : All chemical substances in this product are listed on the Toxic Substances Control (TSCA) Inventory or are in compliance with a TSCA Inventory exemption.

### 15.2 State Regulations

**California Proposition 65** : This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

**State Right-to-Know Lists** : The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated

2-Butoxyethanol (111-76-2)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List
Monoethanolamine (141-43-5)	U.S. - New Jersey - Right to Know Hazardous Substance List

## SECTION 16 - OTHER INFORMATION

**Indication of changes** :

Section	Changed item	Change
1	Supersedes	Added
1	SDS US Regulation reference	Added
1	Revision date	Modified
1	Date of issue	Modified
1	Other means of identification	Added
2.1	GHS-US classification	Added
2.1	ATE US (vapors)	Added
2.1	ATE US (dermal)	Added
2.1	ATE US (oral)	Added
2.2	Precautionary statements (GHS US)	Added
2.2	Hazard pictograms (GHS US)	Added
2.2	Hazard statements (GHS US)	Added
2.3	Other hazards not contributing to the classification	Added
4	Symptoms/effects after inhalation	Added
4	Other medical advice or treatment	Added
4	Symptoms/effects after skin contact	Added
4	Symptoms/effects after ingestion	Added
4	Symptoms/effects after eye contact	Added
4.1	First-aid measures after inhalation	Added
4.1	First-aid measures general	Added
4.1	First-aid measures after skin contact	Added
4.1	First-aid measures after ingestion	Added
4.1	First-aid measures after eye contact	Added
8.2	Compliance	Added
8.2	Remarks	Added
8.2	Hand Protection	Added
8.2	Environmental Exposure Controls	Added
8.2	Respiratory Protection	Added
8.2	Other Protective Equipment	Added
8.2	Eye / Face Protection	Added
8.2	Skin and Body Protection	Added
8.2	Hand protection	Added
8.2	Appropriate engineering controls	Added
9	Relative vapor density at 20 °C	Added
9	Melting point	Added
9	Explosive limits (vol %)	Added
9	Boiling point	Added
9	Auto-ignition temperature	Added
9	Flash point	Added
9	Specific gravity / density	Added
10	Possibility of hazardous reactions	Added
10	Reactivity	Added
10	Chemical stability	Added
10	Hazardous decomposition products	Added
10	Conditions to avoid	Added
12.1	Ecology - general	Added
14	User Precautions	Added
14	EmS Code (Column 15 in IMDG Book 2)	Added
15	Display TSCA summary in 15.1	Added
15	Display SARA 313 summary in 15.1	Added
15	Display California Proposition 65 summary in 15.3	Added

**Full Text of H-Statements** :

H Code	H Phrase
H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled



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H335	May cause respiratory irritation
H401	Toxic to aquatic life

### Disclaimer of Liability

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