



# Trail Boss Bear Spray

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Date of Issue: 10/21/2021

Supersedes Date: 10/01/2021

Version: 2.0

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Trail Boss Bear Spray

**Product Code:** 1329990; 1329991

**Synonyms:** 1329990 Trail Boss Bear Spray 7.9 oz (225 g); 1329991 Trail Boss Bear Spray 13.4 oz (380 g)

### 1.2. Intended Use of the Product

Animal deterrent device.

### 1.3. Name, Address, and Telephone of the Responsible Party

#### Company

Defense Technology LLC

1855 South Loop

Casper, WY 82601

United States

T 800-347-1200

### 1.4. Emergency Telephone Number

**Emergency Number** : ChemTel LLC

(800)255-3924 (North America)

+1 (813)248-0585 (International)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

#### GHS-US/CA Classification

Flam. Aerosol 1 H222

Press. Gas (Comp.) H280

Skin Irrit. 2 H315

Eye Dam. 1 H318

STOT SE 3 H335

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

### 2.2. Label Elements

#### GHS-US/CA Labeling

**Hazard Pictograms (GHS-US/CA)** :



GHS02



GHS04



GHS05



GHS07

**Signal Word (GHS-US/CA)** :

Danger

**Hazard Statements (GHS-US/CA)** :

H222 - Extremely flammable aerosol.

H280 - Contains gas under pressure; may explode if heated.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

**Precautionary Statements (GHS-US/CA)** : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P261 - Avoid breathing spray, gas.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, eye protection, face protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

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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 a POISON CENTER or doctor.  
P321 - Specific treatment (see section 4 on this SDS).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. Contact with gas escaping the container can cause frostbite.

### 2.4. Unknown Acute Toxicity (GHS-US/CA)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
1,1,1,2-Tetrafluoroethane	Ethane, 1,1,1,2-tetrafluoro- / HFC 134a / Norflurane / HFC-134a / Tetrafluoroethane, 1,1,1,2- / Refrigerant gas R134a / Freon 134a / HYDROFLUOROCARBON 134A / norflurane	(CAS-No.) 811-97-2	45 – 70	Press. Gas (Liq.), H280
Diethylene glycol monobutyl ether	Butoxydiglycol / Butyl carbitol / Butyl dioxitol / Diethylene glycol butyl ether / Ethanol, 2-(2-butoxyethoxy)- / 2-(2-Butoxyethoxy)ethanol / Diethylene glycol mono-n-butyl ether / BUTOXYDIGLYCOL / Butyl diglycol / Diglycol monobutyl ether / Decan-1-ol, 3,6-dioxa- / BDG / Dowanol DB / Butyl carbitol (diethylene glycol monobutyl ether) / Monobutyl ether of diethyleneglycol / Monobutyl ether of diethylene glycol	(CAS-No.) 112-34-5	15 – 40	Flam. Liq. 4, H227 Eye Irrit. 2A, H319
Resins, oleo-, capsicum	Capsicum oleoresin / Capsicum oleoresin, oil soluble / Capsicum oleoresins, extractives and their physically modified derivatives such as essential oils, oleoresins, etc. (Capsicum frutescens L.) / CAPSICUM FRUTESCENS OLEORESIN / Capsicin / Resins, oleo-, capsicum (Extractives and their physically modified derivatives. It is a product which may contain resin acids and their esters, terpenes, and oxidation or polymerization products of these terpenes. (Capsicum frutescens, Solanaceae.) / CAPSICUM FRUTESCENS RESIN / Pepper spray / Bush red pepper oleoresin / Capsicum frutescens resin / capsicum oleoresin	(CAS-No.) 8023-77-6	5 – 10	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

Full text of H- and EUH-statements: see section 16

\* - The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200.

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\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

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

**General:** Contact with gas escaping the container can cause frostbite. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage.

**Inhalation:** Difficulty in breathing. Cough. Dizziness. Irritation of the respiratory tract and the other mucous membranes.

**Skin Contact:** Contact with gas escaping the container can cause frostbite and freeze burns. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Eye Contact:** Contact with gas escaping the container can cause frostbite, freeze burns, and permanent eye damage. Causes permanent damage to the cornea, iris, or conjunctiva.

**Ingestion:** Not considered a potential route of exposure, but contact with gas escaping the container can cause freeze burns and frostbite.

**Chronic Symptoms:** Contact with gas/liquid escaping the container can cause frostbite, freeze burns, and permanent eye damage.

#### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, dry chemical, or sand.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

#### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Flammable aerosol.

**Explosion Hazard:** Container may explode in heat of fire. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

**Reactivity:** Reacts violently with strong oxidizers. Increased risk of fire or explosion.

#### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. Fight fire remotely due to the risk of explosion. DO NOT fight fire when fire reaches containers. Evacuate area.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>). fluorinated compounds.

#### 5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**General Measures:** Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Do not breathe gas, spray. Do not get in eyes, on skin, or on clothing.

##### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel. Stop leak if safe to do so.

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### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Evacuate unnecessary personnel, isolate, and ventilate area. Eliminate ignition sources first, then ventilate the area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters. Do not apply directly to water. Do not contaminate water by disposing of unused material.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Stop leak, if possible without risk. As an immediate precautionary measure, isolate spill or leak area in all directions.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Absorb liquid components with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Stop the source of the release, if safe to do so. Consider the use of water spray to disperse vapors. Isolate the area until gas has dispersed. Ventilate and gas test area before entering.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Additional Hazards When Processed:** Do not pressurize, cut, or weld containers. Ruptured cylinders may rocket. Pressurized container: may burst if heated. Do not pierce or burn, even after use.

**Precautions for Safe Handling:** Avoid breathing gas, spray. Do not get in eyes, on skin, or on clothing. Do not spray on an open flame or other ignition source. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

**Storage Conditions:** Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Keep only in the original container in a cool, well ventilated place away from ignition sources. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

Animal deterrent device.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

1,1,1,2-Tetrafluoroethane (811-97-2)		
USA AIHA	WEEL TWA [ppm]	1000 ppm
Diethylene glycol monobutyl ether (112-34-5)		
USA ACGIH	ACGIH OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)
Manitoba	OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)
Newfoundland & Labrador	OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)
Nova Scotia	OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)
Ontario	OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)
Prince Edward Island	OEL TWA [ppm]	10 ppm (inhalable fraction and vapor)

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### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Use explosion-proof equipment. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed.

**Personal Protective Equipment:** Safety glasses. Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics. Wear fire/flamm resistant/retardant clothing.

**Hand Protection:** Wear protective gloves. If material is cold, wear thermally resistant protective gloves.

**Eye and Face Protection:** Chemical safety goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Thermal Hazard Protection:** Wear thermally resistant protective clothing.

**Environmental Exposure Controls:** Avoid unnecessary release into the environment.

**Consumer Exposure Controls:** Wear recommended personal protective equipment.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Aerosol
Appearance	: Aerosol container containing liquid and gaseous propellant.
Odor	: Pungent
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Not available
Flash Point	: Not available
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Extremely flammable aerosol
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Specific Gravity	: Not available
Solubility	: Not available
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Explosive Properties	: Contains gas under pressure; may explode if heated

## SECTION 10: STABILITY AND REACTIVITY

**10.1. Reactivity:** Reacts violently with strong oxidizers. Increased risk of fire or explosion.

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- 10.2. Chemical Stability:** Contains gas under pressure; may explode if heated. Flammable aerosol. Pressurized container: may burst if heated.
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, open flames, sources of ignition and incompatible materials. Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.
- 10.5. Incompatible Materials:** Strong acids, strong bases, strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). fluorinated compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects - Product

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Causes skin irritation.

**Eye Damage/Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** May cause respiratory irritation.

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Difficulty in breathing. Cough. Dizziness. Irritation of the respiratory tract and the other mucous membranes.

**Symptoms/Injuries After Skin Contact:** Contact with gas escaping the container can cause frostbite and freeze burns. Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Symptoms/Injuries After Eye Contact:** Contact with gas escaping the container can cause frostbite, freeze burns, and permanent eye damage. Causes permanent damage to the cornea, iris, or conjunctiva.

**Symptoms/Injuries After Ingestion:** Not considered a potential route of exposure, but contact with gas escaping the container can cause freeze burns and frostbite.

**Chronic Symptoms:** Contact with gas/liquid escaping the container can cause frostbite, freeze burns, and permanent eye damage.

### 11.2. Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

Resins, oleo-, capsicum (8023-77-6)	
LD50 Oral Rat	> 3 g/kg
LC50 Inhalation Rat	> 10000 g/m <sup>3</sup> (Exposure time: 4 h)
ATE US/CA (oral)	500.00 mg/kg body weight
1,1,1,2-Tetrafluoroethane (811-97-2)	
LC50 Inhalation Rat	1500 g/m <sup>3</sup> (Exposure time: 4 h)
Diethylene glycol monobutyl ether (112-34-5)	
LD50 Oral Rat	5660 mg/kg
LD50 Dermal Rabbit	2700 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecology - General:** Not classified.

1,1,1,2-Tetrafluoroethane (811-97-2)	
LC50 Fish 1	450 mg/l
EC50 - Crustacea [1]	980 mg/l

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Diethylene glycol monobutyl ether (112-34-5)	
LC50 Fish 1	1300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	> 100 mg/l (Exposure time: 48 h - Species: Daphnia magna)

### 12.2. Persistence and Degradability

Trail Boss Bear Spray	
Persistence and Degradability	Expected to be biodegradable. Not established.

### 12.3. Bioaccumulative Potential

Trail Boss Bear Spray	
Bioaccumulative Potential	Not expected to bioaccumulate. Not established.
Diethylene glycol monobutyl ether (112-34-5)	
BCF Fish 1	(no bioconcentration expected)

### 12.4. Mobility in Soil

Trail Boss Bear Spray	
Ecology - Soil	Adsorbs into the soil. Leaches into groundwater.

### 12.5. Other Adverse Effects

Other Adverse Effects: None known.

Other Information: Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations, Do not pierce or burn, even after use

**Additional Information:** Do not puncture or incinerate container.

**Ecology - Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

### 14.1. In Accordance with DOT

Proper Shipping Name : AEROSOLS  
Hazard Class : 2.1  
Identification Number : UN1950  
Label Codes : 2.1  
ERG Number : 126



### 14.2. In Accordance with IMDG

Proper Shipping Name : AEROSOLS  
Hazard Class : 2.1  
Identification Number : UN1950  
Label Codes : 2.1  
EmS-No. (Fire) : F-D  
EmS-No. (Spillage) : S-U



### 14.3. In Accordance with IATA

Proper Shipping Name : AEROSOLS, FLAMMABLE  
Hazard Class : 2.1  
Identification Number : UN1950  
Label Codes : 2.1  
ERG Code (IATA) : 10L



### 14.4. In Accordance with TDG

Proper Shipping Name : AEROSOLS  
Hazard Class : 2.1  
Identification Number : UN1950  
Label Codes : 2.1



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### SECTION 15: REGULATORY INFORMATION

#### 15.1. US Federal Regulations

<b>Trail Boss Bear Spray</b>	
<b>SARA Section 311/312 Hazard Classes</b>	Physical hazard - Gas under pressure Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Skin corrosion or Irritation Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Serious eye damage or eye irritation
<b>EPA FIFRA Pesticide Product Notice</b>	This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
<b>EPA FIFRA Signal Word</b>	Warning
<b>EPA FIFRA Hazard Statements</b>	Extremely flammable. Contents under pressure.
<b>Resins, oleo-, capsicum (8023-77-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>1,1,1,2-Tetrafluoroethane (811-97-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Diethylene glycol monobutyl ether (112-34-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

#### 15.2. US State Regulations

Neither this product nor its chemical components appear on any US state lists, or its chemical components are not required to be disclosed

#### 15.3. Canadian Regulations

<b>Resins, oleo-, capsicum (8023-77-6)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>1,1,1,2-Tetrafluoroethane (811-97-2)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Diethylene glycol monobutyl ether (112-34-5)</b>	
Listed on the Canadian DSL (Domestic Substances List)	

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest Revision** : 10/21/2021

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

#### Indication of Changes:

All Sections	Formulation Adjustment
Sections 2, 5, 10, 14	Flammable Aerosol Warnings and Classification
Sections 2, 4, 11	Re-classification to Eye Damage based on increased concentration
Section 14	Classification as 2.1 Flammable Gas (Aerosol) for transport

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### GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Aerosol 1	Flammable aerosol Category 1
Flam. Liq. 4	Flammable liquids Category 4
Press. Gas (Comp.)	Gases under pressure Compressed gas
Press. Gas (Liq.)	Gases under pressure Liquefied gas
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H222	Extremely flammable aerosol
H227	Combustible liquid
H280	Contains gas under pressure; may explode if heated
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation

### Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxic

vPvB: very Persistent and very Bioaccumulative

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

NA GHS SDS 2015 (Can, US)