



**Gunfoam Spray 810**

**SECTION 1: IDENTIFICATION**

- 1.1 GHS Product identifier:** Gunfoam Spray 810
- 1.2 Recommended use of the chemical and restrictions on use:**  
 Relevant uses: Thermal insulation  
 Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:**  
**Seal Spray Foam**  
 5717 Salmen Street      Tel: 504-734-1315  
 New Orleans, LA 70123  
 USA
- 1.4 Emergency phone number:** 911

**SECTION 2: HAZARD(S) IDENTIFICATION**

- 2.1 Classification of the substance or mixture:**
- NFPA:**  
 Health Hazards: 3  
 Flammability Hazards: 4  
 Instability Hazards: 0  
 Special Hazards: Non-applicable
- 29 CFR 1910.1200:**  
 Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.  
 Aerosol 1: Flammable aerosols, Category 1, H222  
 Carc. 2: Carcinogenicity, Category 2, H351  
 Eye Irrit. 2: Eye irritation, Category 2, H319  
 Lact.: Reproductive toxicity, effects on or via lactation, H362  
 Resp. Sens. 1: Sensitisation, respiratory, Category 1, H334  
 Skin Irrit. 2: Skin irritation, Category 2, H315  
 Skin Sens. 1: Sensitisation, skin, Category 1, H317  
 STOT RE 2: Specific target organ toxicity, repeated exposure, Category 2, H373  
 STOT SE 3: Respiratory tract toxicity, single exposure, Category 3, H335
- 2.2 Label elements:**
- NFPA:**
- 
- 29 CFR 1910.1200:**  
 Danger
- 
- Hazard statements:**  
 Aerosol 1: H222 - Extremely flammable aerosol  
 Carc. 2: H351 - Suspected of causing cancer  
 Eye Irrit. 2: H319 - Causes serious eye irritation  
 Lact.: H362 - May cause harm to breast-fed children  
 Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 Skin Irrit. 2: H315 - Causes skin irritation  
 Skin Sens. 1: H317 - May cause an allergic skin reaction  
 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure  
 STOT SE 3: H335 - May cause respiratory irritation
- Precautionary statements:**

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**SECTION 2: HAZARD(S) IDENTIFICATION (continued)**

P101: If medical advice is needed, have product container or label at hand  
 P102: Keep out of reach of children  
 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  
 P271: Use only outdoors or in a well-ventilated area  
 P280: Wear protective gloves/protective clothing/eye protection/face protection  
 P284: Wear respiratory protection  
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position 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  
 P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 122 °F  
 P501: Dispose of contents and / or their container according to the separated collection system used in your municipality

**Substances that contribute to the classification**

Alkanes, C14-17, chloro; 4,4'-methylenediphenyl diisocyanate, isomers and homologues

**2.3 Hazards not otherwise classified (HNOC):**

Non-applicable

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances:**

Non-applicable

**3.2 Mixtures:**

**Chemical description:** Mixture composed of organic substances

**Components:**

Remaining components are non-hazardous and/or present at amounts below reportable limits. The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. Therefore, in accordance with Appendix D to § 1910.1200, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 9016-87-9	<b>4,4'-methylenediphenyl diisocyanate, isomers and homologues</b> Acute Tox. 4: H332; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT RE 2: H373; STOT SE 3: H335 - Danger	<b>40 - &lt;60 %</b>
CAS: 25791-96-2	<b>Glycerol, propoxylated</b> Acute Tox. 4: H302 - Warning	<b>10 - &lt;20 %</b>
CAS: 115-10-6	<b>Dimethyl ether</b> Flam. Gas 1: H220; Press. Gas: H280 - Danger	<b>10 - &lt;20 %</b>
CAS: 85535-85-9	<b>Alkanes, C14-17, chloro</b> Lact.: H362	<b>5 - &lt;20 %</b>
CAS: 75-28-5	<b>Isobutane</b> Flam. Gas 1: H220; Press. Gas: H280 - Danger	<b>1 - &lt;10 %</b>
CAS: 25322-69-4	<b>Propane-1,2-diol, propoxylated</b> Acute Tox. 4: H302 - Warning	<b>1 - &lt;10 %</b>
CAS: 74-98-6	<b>Propane</b> Flam. Gas 1: H220; Press. Gas: H280 - Danger	<b>1 - &lt;10 %</b>
CAS: Non-applicable	<b>TCPPP_Trис(2-chloro-1-methylethyl) phosphate_ multiconstituent substance</b> Acute Tox. 4: H302 - Warning	<b>1 - &lt;10 %</b>

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**SECTION 4: FIRST-AID MEASURES**

**4.1 Description of necessary measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

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**SECTION 4: FIRST-AID MEASURES (continued)**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**4.2 Most important symptoms/effects, acute and delayed:**

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary:**

Non-applicable

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Suitable (and unsuitable) extinguishing media:**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO<sub>2</sub>). IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

**5.2 Specific hazards arising from the chemical:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Special protective equipment and precautions for fire-fighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**Additional provisions:**

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Only properly trained personnel should be involved in firefighting. Evacuate nonessential personnel from the fire area. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions, protective equipment and emergency procedures:**

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Evacuate the area and keep out those who do not have protection.

**6.2 Environmental precautions:**

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

**6.3 Methods and materials for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

**SECTION 7: HANDLING AND STORAGE**

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**SECTION 7: HANDLING AND STORAGE (continued)**

**7.1 Precautions for safe handling:**

A.- Precautions for safe manipulation

Comply with the current standards 29 CFR 1910 Occupational Safety and Health Standards. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Technical measures for storage

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace


Identification	Environmental limits		
	8-hour TWA PEL	1000 ppm	1800 mg/m <sup>3</sup>
Propane CAS: 74-98-6	Ceiling Values - TWA PEL		

**8.2 Appropriate engineering controls:**


A.- Individual protection measures, such as personal protective equipment

Always provide effective general and, when necessary, local exhaust ventilation to maintain the ambient workplace atmosphere below the exposure limits.. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

B.- Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases, vapours and particles	Replace when an increase in resistance to breathing is observed and/or a smell or taste of the contaminant is detected. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	NON-disposable chemical protective gloves	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR)


As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**



D.- Ocular and facial protection

Pictogram	PPE	Remarks
 Mandatory face protection	Face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. Use this PPE in accordance with manufacturer's use limitations and OSHA standard 1910.133 (29CFR)

E.- Bodily protection

Pictogram	PPE	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	For professional use only. Clean periodically according to the manufacturer's instructions.
 Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**National volatile organic compound emission standards (40 CFR Part 59):**

V.O.C. (Subpart C - Consumer):	26 % weight
V.O.C. (Coatings) at 68 °F:	Non-applicable

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties:**

**Appearance:**

Physical state at 68 °F:	Aerosol
Appearance:	Not available
Color:	Not available
Odor:	Not available
Odour threshold:	Non-applicable *

**Volatility:**

Boiling point at atmospheric pressure:	11 °F (Propellant)
Vapour pressure at 68 °F:	Non-applicable *
Vapour pressure at 122 °F:	<300000 Pa (300 kPa)
Evaporation rate at 68 °F:	Non-applicable *

**Product description:**

Density at 68 °F:	Non-applicable *
Relative density at 68 °F:	Non-applicable *
Dynamic viscosity at 68 °F:	Non-applicable *
Kinematic viscosity at 68 °F:	Non-applicable *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)**

Kinematic viscosity at 104 °F:	Non-applicable *
Concentration:	Non-applicable *
pH:	Non-applicable *
Vapour density at 68 °F:	Non-applicable *
Partition coefficient n-octanol/water 68 °F:	Non-applicable *
Solubility in water at 68 °F:	Non-applicable *
Solubility properties:	Non-applicable *
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Recipient pressure:	Non-applicable *
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
<b>Flammability:</b>	
Flash Point:	-117 °F (Propellant)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	860 °F (Propellant)
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
<b>Explosive:</b>	
Lower explosive limit:	Non-applicable *
Upper explosive limit:	Non-applicable *
<b>9.2 Other information:</b>	
Surface tension at 68 °F:	Non-applicable *
Refraction index:	Non-applicable *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

**10.2 Chemical stability:**

Chemically stable under the conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

**10.5 Incompatible materials:**

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

Contains glycols. With possibility of effects that are hazardous to the health, it is recommended not to breathe the vapours for long periods of time.

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.  
IARC: 4,4'-methylenediphenyl diisocyanate, isomers and homologues (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: May cause harm to breast-fed children

E- Sensitizing effects:

- Respiratory: Prolonged exposure can result in specific respiratory hypersensitivity.
- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Causes irritation in respiratory passages, which is normally reversible and limited to the upper respiratory passages.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

Non-applicable

**Specific toxicology information on the substances:**

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Glycerol, propoxylated CAS: 25791-96-2	226.8 mg/lb (ATEi)	>2268 mg/lb	
	>20 mg/L (4 h)		
Propane-1,2-diol, propoxylated CAS: 25322-69-4	453.6 mg/lb	>2268 mg/lb	Rat
	>20 mg/L (4 h)		

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**SECTION 11: TOXICOLOGICAL INFORMATION (continued)**

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Alkanes, C14-17, chloro CAS: 85535-85-9	>2268 mg/lb	>2268 mg/lb	
	>20 mg/L (4 h)		
TCPP_Tris(2-chloro-1-methylethyl) phosphate_multiconstituent substance CAS: Non-applicable	286.7 mg/lb	>2268 mg/lb	Rat
	>20 mg/L (4 h)		
4,4'-methylenediphenyl diisocyanate, isomers and homologues CAS: 9016-87-9	>2268 mg/lb	>2268 mg/lb	
	>2268 mg/lb		
	11 mg/L (4 h) (ATEi)		
Isobutane CAS: 75-28-5	>2268 mg/lb	>2268 mg/lb	
	>2268 mg/lb		
	>5 mg/L (4 h)		
Propane CAS: 74-98-6	>2268 mg/lb	>2268 mg/lb	
	>2268 mg/lb		
	>5 mg/L (4 h)		
Dimethyl ether CAS: 115-10-6	>2268 mg/lb	>2268 mg/lb	
	>2268 mg/lb		
	308.5 mg/L (4 h)		Rat

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity (aquatic and terrestrial, where available):**

**Product-specific aquatic toxicity:**

Acute toxicity		Species	Genus
EC50	1000 mg/L (48 h)	Daphnia magna	Crustacean
EC50	1000 mg/L (72 h)	Desmodesmus subspicatus	Algae

**Substance-specific aquatic toxicity:**

Not available

**12.2 Persistence and degradability:**

Not available

**12.3 Bioaccumulative potential:**

Identification	Bioaccumulation potential	
	BCF	Pow Log
Isobutane CAS: 75-28-5	27	2.76
		Low
Propane CAS: 74-98-6	13	2.86
		Low

**12.4 Mobility in soil:**

Identification	Absorption/desorption		Volatility	
	Koc	Conclusion	Henry	Conclusion
Dimethyl ether CAS: 115-10-6	Non-applicable	Non-applicable	Henry	Non-applicable
			Dry soil	Non-applicable
	1.136E-2 N/m (77 °F)		Moist soil	Non-applicable
Isobutane CAS: 75-28-5	35	Very High	Henry	120576.75 Pa·m <sup>3</sup> /mol
			Dry soil	Yes
	9.84E-3 N/m (77 °F)		Moist soil	Yes
Propane CAS: 74-98-6	460	Moderate	Henry	71636.78 Pa·m <sup>3</sup> /mol
			Dry soil	Yes
	7.02E-3 N/m (77 °F)		Moist soil	Yes

**12.5 Results of PBT and vPvB assessment:**

Non-applicable

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**SECTION 12: ECOLOGICAL INFORMATION (continued)**

**12.6 Other adverse effects:**

Not described

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Disposal methods:**

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See epigraph 6.2.

**Regulations related to waste management:**

Legislation related to waste management:

40 CFR Part 261- IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

**SECTION 14: TRANSPORT INFORMATION**

**Transport of dangerous goods by land:**

With regard to 49 CFR on the Transport of Dangerous Goods:



- 14.1 UN number:** UN1950
- 14.2 UN proper shipping name:** AEROSOLS, flammable
- 14.3 Transport hazard class(es):** 2
- Labels:** 2.1
- 14.4 Packing group, if applicable:** N/A
- 14.5 Marine pollutant:** No
- 14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Non-applicable

**Transport of dangerous goods by sea:**

With regard to IMDG 38-16:



- 14.1 UN number:** UN1950
- 14.2 UN proper shipping name:** AEROSOLS, flammable
- 14.3 Transport hazard class(es):** 2
- Labels:** 2.1
- 14.4 Packing group, if applicable:** N/A
- 14.5 Marine pollutant:** No
- 14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
Physico-Chemical properties: see section 9
- 14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2020:

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**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 UN number:** UN1950  
**14.2 UN proper shipping name:** AEROSOLS, flammable  
**14.3 Transport hazard class(es):** 2  
 Labels: 2.1  
**14.4 Packing group, if applicable:** N/A  
**14.5 Marine pollutant:** No  
**14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises**  
 Physico-Chemical properties: see section 9  
**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Non-applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations specific for the product in question:**

SARA Title III - Toxic Chemical Release Inventory Reporting (Section 313): 4,4'-methylenediphenyl diisocyanate, isomers and homologues  
 California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986): Non-applicable  
 The Toxic Substances Control Act (TSCA) : 4,4'-methylenediphenyl diisocyanate, isomers and homologues ; Glycerol, propoxylated ; Dimethyl ether ; Isobutane ; Propane-1,2-diol, propoxylated ; Propane  
 Massachusetts RTK - Substance List: 4,4'-methylenediphenyl diisocyanate, isomers and homologues  
 New Jersey Worker and Community Right-to-Know Act: 4,4'-methylenediphenyl diisocyanate, isomers and homologues ; Dimethyl ether ; Isobutane ; Propane  
 New York RTK - Substance list: Dimethyl ether ; Isobutane ; Propane  
 Pennsylvania Worker and Community Right-to-Know Law: Dimethyl ether ; Isobutane ; Propane  
 CANADA-Domestic Substances List (DSL) : 4,4'-methylenediphenyl diisocyanate, isomers and homologues ; Glycerol, propoxylated ; Dimethyl ether ; Alkanes, C14-17, chloro ; Isobutane ; Propane-1,2-diol, propoxylated ; Propane  
 CANADA-Non-Domestic Substances List (NDSL): Non-applicable  
 NTP (National Toxicology Program): Non-applicable  
 Minnesota - Hazardous substances ERTK: Dimethyl ether ; Alkanes, C14-17, chloro ; Propane-1,2-diol, propoxylated ; Propane  
 Rhode Island - Hazardous substances RTK: Dimethyl ether ; Propane  
 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Non-applicable  
 Hazardous substances release notification under CERCLA sections 102-103 (40 CFR Part 302): Non-applicable

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

**Other legislation:**

The Toxic Substances Control Act (TSCA)  
 Occupational Safety and Health Standards (1910 Subpart Z - Toxic and Hazardous Substances)

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with Appendix d to §1910.1200 - Safety data sheets

**Texts of the legislative phrases mentioned in section 2:**

- H222: Extremely flammable aerosol
- H315: Causes skin irritation
- H319: Causes serious eye irritation
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H317: May cause an allergic skin reaction
- H351: Suspected of causing cancer
- H362: May cause harm to breast-fed children
- H335: May cause respiratory irritation
- H373: May cause damage to organs through prolonged or repeated exposure

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**29 CFR 1910.1200:**

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**Gunfoam Spray 810**

**SECTION 16: OTHER INFORMATION (continued)**

Acute Tox. 4: H302 - Harmful if swallowed  
Acute Tox. 4: H332 - Harmful if inhaled  
Eye Irrit. 2: H319 - Causes serious eye irritation  
Flam. Gas 1: H220 - Extremely flammable gas  
Lact.: H362 - May cause harm to breast-fed children  
Press. Gas: H280 - Contains gas under pressure, may explode if heated  
Resp. Sens. 1: H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled  
Skin Irrit. 2: H315 - Causes skin irritation  
Skin Sens. 1: H317 - May cause an allergic skin reaction  
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure  
STOT SE 3: H335 - May cause respiratory irritation

**Advice related to training:**

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

Occupational Safety & Health Administration (OSHA).

**Abbreviations and acronyms:**

IMDG: International maritime dangerous goods code  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organisation  
COD: Chemical Oxygen Demand  
BOD5: 5-day biochemical oxygen demand  
BCF: Bioconcentration factor  
LD50: Lethal Dose 50  
CL50: Lethal Concentration 50  
EC50: Effective concentration 50  
Log-POW: Octanol-water partition coefficient  
Koc: Partition coefficient of organic carbon

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END OF SAFETY DATA SHEET