



# MATERIAL SAFETY DATA SHEET

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ACT-001

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS &amp; 2001/58 EC Standards

MSDS Revision: 1.0

MSDS Revision Date: 03/01/2011

## 1. PRODUCT IDENTIFICATION

1.1	Product Name: <b>HAIR RESORT SPRAY</b>
1.2	Chemical Name: <b>ETHANOL SOLUTION</b>
1.3	Synonyms: <b>NA</b>
1.4	Trade Names: <b>NA</b>
1.5	Product Use: <b>PROFESSIONAL OR SUNDRY USE ONLY</b>
1.6	Distributor's Name: <b>ARTISTIC COSMETIC TECHNOLOGY, INC.</b>
1.7	Distributor's Address: <b>13720 ROSECRANS AVE., SANTA FE SPRINGS, CA 90670</b>
1.8	Emergency Phone: <b>CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-3887</b>
1.9	Business Phone: <b>+1 (562) 404-2500</b>

## 2. HAZARD IDENTIFICATION

2.1	Hazard Identification: <b>WARNING: Flammable. Do not place on hot water, or near radiators, stoves or other sources of heat. Do not use near open flame, sparks or other sources of ignition. KEEP OUT OF REACH OF CHILDREN. Avoid getting into the eyes. Use only as directed.</b>
2.2	Routes of Entry: Inhalation: <b>YES</b> Absorption: <b>YES</b> Ingestion: <b>YES</b>
2.3	Effects of Exposure: <b>INGESTION:</b> If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. <b>EYES:</b> Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. <b>SKIN:</b> May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. <b>INHALATION:</b> Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea).
2.4	Symptoms of Overexposure: <b>Overexposure in eyes may cause redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.</b>
2.5	Acute Health Effects: <b>Moderate irritation to eyes. Moderate irritation to skin near affected areas. Intentional inhalation of vapors may cause headache, fatigue, weakness, mental confusion, mood disturbances and decreased coordination and judgment.</b>
2.6	Chronic Health Effects: <b>No harmful or chronic health effects are expected to occur from a single accidental ingestion. Intentional and continuous ingestion can cause serious effects on liver and kidneys. Contains denatured alcohol.</b>
2.7	Target Organs: <b>Eyes &amp; skin.</b>

NA = Not Available; ND = Not Determined; NE = Not Established; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used  
NOTE: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2010 format.



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## 3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m³)								OTHER
					ACGIH		NOHSC			OSHA			
					ppm		ppm			ppm			
					TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	TLV	STEL	IDLH	
DENATURED ALCOHOL	64-17-5	KQ6300000	200-578-6	≤ 60.0	1000	NA	NF	NF	NF	1000	NA	NA	
WATER	7732-18-5	ZC0110000	231-791-2	≤ 40.0	NE	NE	NF	NF	NF	NE	NE	NE	
PVP/VA COPOLYMER	25086-89-9	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
PEG-12 DIMETHICONE	68937-54-2	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
POLYSORBATE 20	9005-64-5	TR7400000	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
PHENOXYETHANOL	122-99-6	KM0350000	204-589-7	NA	NA	NA	NF	NF	NF	NA	NA	NA	
ETHYLHEXYLCLYCERINE	70445-33-9	NA	408-080-2	NA	NA	NA	NF	NF	NF	NA	NA	NA	
PROPYLENE GLYCOL	57-55-6	TY2000000	200-338-0	NA	NA	NA	NF	NF	NF	NA	NA	NA	
PANTHENOL	81-13-0	ES4316000	201-327-3	NA	NA	NA	NF	NF	NF	NA	NA	NA	
SODIUM LANETH-40 MALEATE/STYRENE SULFONATE COPOLYMER	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
HYDROLYZED WHEAT PROTEIN/PVP CROSS POLYMER	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
WHEAT AMINO ACIDS	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
HYDROLYZED SILK	73049-73-7						NF	NF	NF	NA	NA	NA	
ALOE BARBADENSIS LEAF EXTRACT	94349-62-9	NA	305-181-2	NA	NA	NA	NF	NF	NF	NA	NA	NA	
FRAGRANCE	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	

## 4. FIRST AID MEASURES

4.1	First Aid:					
	INGESTION:	DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.				
	EYES:	If product gets in the eyes, flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek medical attention.				
	SKIN:	Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek prompt medical attention. Do not wear contaminated clothing until after it has been properly cleaned.				
	INHALATION:	Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial respiration. Seek immediate medical attention.				
4.2	Medical Conditions Aggravated by Exposure:					
	Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system).					
		HEALTH				1
		FLAMMABILITY				3
		REACTIVITY				0
	PROTECTIVE EQUIPMENT				B	
		EYES	SKIN			



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## 5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: <b>&lt; 100 °F</b>				
5.2	Autoignition Temperature: <b>NA</b>				
5.3	Flammability Limits:	Lower Explosive Limit (LEL):	<b>NA</b>	Upper Explosive Limit (UEL):	<b>NA</b>
5.4	Fire & Explosion Hazards: <b>This product is a flammable liquid. When involved in a fire, this product may ignite and decompose to form toxic gases (e.g., CO, CO<sub>2</sub>, and NO<sub>x</sub>).</b>				
5.5	Extinguishing Methods: <b>Water Fog, Foam, Dry Chemical, CO<sub>2</sub></b>				
5.6	Firefighting Procedures: <b>As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boilover. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.</b>				

## 6. ACCIDENTAL RELEASE MEASURES

6.1	Spills: <b>Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., &lt;1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For spills ≥ 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.</b>
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## 7. HANDLING & STORAGE INFORMATION

7.1	Work & Hygiene Practices: <b>Avoid breathing the vapors generated by this product. If necessary, apply a moisturizer after using product. Do not eat, drink, or smoke while handling this product.</b>
7.2	Storage & Handling: <b>Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. Keep away from children at all times!</b>
7.3	Special Precautions: <b>Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.</b>



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## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls: <b>Use with adequate ventilation (e.g., open doors and windows, local exhaust ventilation). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). Use in a chemical fume hood when working with large quantities of product and provide adequate ventilation (e.g., local exhaust ventilation, fans).</b>
8.2	Respiratory Protection: <b>No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.</b>
8.3	Eye Protection: <b>Avoid eye contact. Safety glasses with side shields should be used when handling large quantities (e.g., ≥ 1 gallon) of this product.</b>
8.4	Hand Protection: <b>None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., ≥ 1 gallon), wear rubber or impervious plastic gloves.</b>
8.5	Body Protection: <b>No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.</b>

## 9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	<b>0.90 ± 0.02 g/ml</b>
9.2	Boiling Point:	<b>NA</b>
9.3	Melting Point:	<b>NA</b>
9.4	Evaporation Rate:	<b>NA</b>
9.5	Vapor Pressure:	<b>55-65 psig @ 70 °F</b>
9.6	Molecular Weight:	<b>NA</b>
9.7	Appearance & Color:	<b>Clear thin liquid with an alcohol-like odor.</b>
9.8	Odor Threshold:	<b>NE</b>
9.9	Solubility:	<b>Soluble.</b>
9.10	pH	<b>ND</b>
9.11	Viscosity:	<b>NA</b>
9.12	Other Information:	<b>NA</b>

## 10. STABILITY & REACTIVITY

10.1	Stability: <b>This product is stable.</b>
10.2	Hazardous Decomposition Products: <b>Oxides of carbon (CO, CO<sub>2</sub>) and sulfur (SO<sub>2</sub>)</b>
10.3	Hazardous Polymerization: <b>Will not occur.</b>
10.4	Conditions to Avoid: <b>Open flames, sparks, high heat and direct sunlight.</b>
10.5	Incompatible Substances: <b>None known.</b>



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## 11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: <b>The product has not been tested for specific toxicity data.</b>
11.2	Acute Toxicity: <b>See section 2.5</b>
11.3	Chronic Toxicity: <b>See section 2.6</b>
11.4	Suspected Carcinogen: <b>NO</b>
11.5	Reproductive Toxicity: <b>This product is not reported to produce reproductive toxicity in humans.</b>
	Mutagenicity: <b>This product is not reported to produce mutagenic effects in humans.</b>
	Embryotoxicity: <b>This product is not reported to produce embryotoxic effects in humans.</b>
	Teratogenicity: <b>This product is not reported to produce teratogenic effects in humans.</b>
	Reproductive Toxicity: <b>This product is not reported to produce reproductive effects in humans.</b>
11.6	Irritancy of Product: <b>See Section 2.3</b>
11.7	Biological Exposure Indices: <b>NE</b>
11.8	Physician Recommendations: <b>Treat symptomatically.</b>

## 12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: <b>There is no specific data available for this product.</b>
12.2	Effects on Plants & Animals: <b>There is no specific data available for this product.</b>
12.3	Effects on Aquatic Life: <b>There is no specific data available for this product.</b>

## 13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: <b>Dispose of in accordance with federal, state and local regulations.</b>
13.2	Special Considerations: <b>U.S. EPA Characteristic Waste: D001 (characteristic - ignitable)</b>

## 14. TRANSPORTATION INFORMATION

The basic description (proper shipping name, hazard class & division, ID Number, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1	49 CFR (GND): <b>CONSUMER COMMODITY, ORM-D (≤ 5.0 L) UN1170, ETHANOL SOLUTION, 3, III (&gt; 5.0 L)</b>
14.2	IATA (AIR): <b>ID8000, CONSUMER COMMODITY, 9 (≤ 0.5 L) – PACKING INSTRUCTION Y963 UN1170, ETHANOL SOLUTION, 3, III, LTD QTY (≤ 5.0 L) UN1170, ETHANOL SOLUTION, 3, III (&gt; 5.0 L)</b>
14.3	IMDG (OCN): <b>UN1170, ETHANOL SOLUTION, 3, III, LTD QTY (≤ 5.0 L) UN1170, ETHANOL SOLUTION, 3, III (&gt; 5.0 L)</b>
14.4	TDGR (Canadian GND): <b>MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (≤ 5.0 L) UN1170, ETHANOL SOLUTION, 3, III (&gt; 5.0 L)</b>
14.5	ADR/RID (EU): <b>UN1170, ETHANOL SOLUTION, 3, III, ADR, LTD QTY</b>
14.6	SCT (MEXICO): <b>UN1170, ETANOL EN SOLUCIÓN, 3, III, CANTIDAD LIMITADA</b>





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## 15. REGULATORY INFORMATION

15.1	SARA Reporting Requirements: <b>NA</b>	
15.2	SARA Threshold Planning Quantity: <b>NA</b>	
15.3	TSCA Inventory Status: <b>All chemical substances of this product are listed on the TSCA inventory or are otherwise exempted from inventory status.</b>	
15.4	CERCLA Reportable Quantity (RQ): <b>NA</b>	
15.5	Other Federal Requirements: <b>This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).</b>	
15.6	Other Canadian Regulations: <b>This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.</b>	
15.7	State Regulatory Information: <b>Ethanol is covered under specific state criteria. No components of this product are listed on the California Proposition 65 lists.</b>	
15.8	67/548/EEC (European Union) Requirements: <b>The primary component of this product is listed in Annex I of EU Directive 67/548/EEC: Ethanol: Flammable, Harmful (F, Xn). Risk Phrases (R): 11-20/21/22-36/37/38 - Highly flammable. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. Safety Phrases (S): 7-16-24/25-36/37/39-45 - Keep container tightly closed. Keep away from sources of ignition -- No smoking. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately.</b>	 

## 16. OTHER INFORMATION

16.1	Other Information: <b>For external use only. Use only as directed. Discontinue use immediately if irritation develops.</b>	
16.2	Terms & Definitions: <b>See page 6 of this MSDS.</b>	
16.3	Disclaimer: <b>This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's &amp; Artistic Cosmetic Technology's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.</b>	
16.4	Prepared for: <b>Artistic Cosmetic Technology, Inc. 13720 Rosecrans Ave. Santa Fe Springs, CA 90670 Tel: +1 (562) 404-2500 <a href="http://www.act-incorp.com/">http://www.act-incorp.com/</a></b>	
16.5	Prepared by: <b>ShipMate, Inc. 18436 Hawthorne Boulevard, Suite 201 Torrance, CA 90504 310-370-3600 phone 310-370-5700 fax <a href="http://www.shipmate.com">http://www.shipmate.com</a></b>	



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## DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

### GENERAL INFORMATION:

<b>CAS No.</b>	Chemical Abstract Service Number
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### EXPOSURE LIMITS IN AIR:

<b>ACGIH</b>	American Conference on Governmental Industrial Hygienists
<b>TLV</b>	Threshold Limit Value
<b>OSHA</b>	U.S. Occupational Safety and Health Administration
<b>PEL</b>	Permissible Exposure Limit
<b>IDLH</b>	Immediately Dangerous to Life and Health

### FIRST AID MEASURES:

<b>CPR</b>	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
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### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

### HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

<b>0</b>	Minimal Hazard
<b>1</b>	Slight Hazard
<b>2</b>	Moderate Hazard
<b>3</b>	Severe Hazard
<b>4</b>	Extreme Hazard



### PERSONAL PROTECTION RATINGS:

<b>A</b>		<b>G</b>	
<b>B</b>		<b>H</b>	
<b>C</b>		<b>I</b>	
<b>D</b>		<b>J</b>	
<b>E</b>		<b>K</b>	
<b>F</b>		<b>X</b>	Consult your supervisor or S.O.P. for special handling directions.

<b>Safety Glasses</b>	<b>Splash Goggles</b>	<b>Face Shield &amp; Eye Protection</b>	<b>Gloves</b>
<b>Boots</b>	<b>Synthetic Apron</b>	<b>Full Suit</b>	<b>Dust Respirator</b>
<b>Vapor Respirator</b>	<b>Dust &amp; Vapor Respirator</b>	<b>Full Face Respirator</b>	<b>Airline Hood/Mask or</b>
<p>Note: the dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.</p>			

### FLAMMABILITY LIMITS IN AIR:

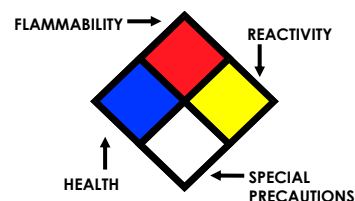
<b>Autoignition Temperature</b>	Minimum temperature required to initiate combustion in air with no other source of ignition
<b>LEL</b>	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
<b>UEL</b>	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

### OTHER STANDARD ABBREVIATIONS:

<b>NA</b>	Not Available
<b>NR</b>	No Results
<b>NE</b>	Not Established
<b>ND</b>	Not Determined
<b>ML</b>	Maximum Limit
<b>SCBA</b>	Self-Contained Breathing Apparatus

### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA HAZARD RATINGS:

<b>0</b>	Minimal Hazard
<b>1</b>	Slight Hazard
<b>2</b>	Moderate Hazard
<b>3</b>	Severe Hazard
<b>4</b>	Extreme Hazard
<b>ACD</b>	Acidic
<b>ALK</b>	Alkaline
<b>COR</b>	Corrosive
<b>W</b>	Use No Water
<b>OX</b>	Oxidizer



### TOXICOLOGICAL INFORMATION:

<b>LD<sub>50</sub></b>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
<b>LC<sub>50</sub></b>	Lethal concentration (gases) which kills 50% of the exposed animals
<b>ppm</b>	Concentration expressed in parts per million
<b>TD<sub>01</sub></b>	Lowest dose to cause a symptom
<b>TCLo</b>	Lowest concentration to cause a symptom
<b>TD<sub>01</sub>, LD<sub>01</sub>, &amp; LD<sub>01</sub> or TC, TC<sub>01</sub>, LC<sub>01</sub>, &amp; LC<sub>01</sub></b>	Lowest dose (or concentration) to cause lethal or toxic effects
<b>IARC</b>	International Agency for Research on Cancer
<b>NTP</b>	National Toxicology Program
<b>RTECS</b>	Registry of Toxic Effects of Chemical Substances
<b>BCF</b>	Bioconcentration Factor
<b>TL<sub>m</sub></b>	Median threshold limit
<b>log K<sub>ow</sub> or log K<sub>oc</sub></b>	Coefficient of Oil/Water Distribution

### REGULATORY INFORMATION:

<b>WHMIS</b>	Canadian Workplace Hazardous Material Information System
<b>DOT</b>	U.S. Department of Transportation
<b>TC</b>	Transport Canada
<b>EPA</b>	U.S. Environmental Protection Agency
<b>DSL</b>	Canadian Domestic Substance List
<b>NDSL</b>	Canadian Non-Domestic Substance List
<b>PSL</b>	Canadian Priority Substances List
<b>TSCA</b>	U.S. Toxic Substance Control Act
<b>EU</b>	European Union (European Union Directive 67/548/EEC)
<b>CPR</b>	Canada's Controlled Product Regulations

### EC INFORMATION:

<b>C</b>	<b>E</b>	<b>F</b>	<b>N</b>	<b>O</b>	<b>T+</b>	<b>Xi</b>	<b>Xn</b>
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

### WHMIS INFORMATION:

<b>A</b>	<b>B</b>	<b>C</b>	<b>D1</b>	<b>D2</b>	<b>D3</b>	<b>E</b>	<b>F</b>
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive