

# SAFETY DATA SHEET

Finished Product



Date-Issued: 1/20/2003  
SDS Ref. No: RX1900-4  
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## ECG Eco Line Flux Remover RX1900-4

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Brand Name	RX1900-4
Product Description:	ECG Eco Line Flux Remover
Product Code	RX1900-4
Marketer Contact Information:	NTE Electronics, Inc. 44 Farrand Street Bloomfield, NJ 07003 (973) 748-5089
Emergency Phone:	1-800-631-1250 8:00 am – 5:00 pm EST

### SECTION 2. HAZARDS IDENTIFICATION

OSHA/HCS Status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
Classification of the Substance or Mixture	FLAMMABLE AEROSOLS – Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2a GASES UNDER PRESSURE – Compressed gas Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 25%

### GHS Label Elements

Hazard Pictograms	Three GHS hazard pictograms are displayed in a row, each within a red diamond border. From left to right: 1. A black flame icon. 2. A black exclamation mark icon. 3. A black gas cylinder icon.
Single Word	Danger
Hazard Statements	Extremely flammable aerosol. Causes serious eye irritation. Contains gas under pressure; may explode if heated.

### Precautionary Statements

Prevention	Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Pressurized container: Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Wash hands thoroughly after handling.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	Protect from sunlight. Do not expose to temperatures exceeding +50°C/+122°F. Store in a well-ventilated place.
Disposal	Not Applicable.
Hazards Not Otherwise Classified	None known

### SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

Substance/Mixture	Mixture
Other Means of Identification	Not available.

#### CAS Number/Other Identifiers

CAS Number	Not applicable
Product Code	RX1900-4

Ingredient Name	%	CAS Number
Ethyl Alcohol	10 - 20	64-17-5
Isopropyl Alcohol	7 - 15	67-63-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### SECTION 4. FIRST-AID MEASURES

#### Description of Necessary First Aid Measures

<b>Ingestion</b>	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt, or waistband.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
<b>Skin Contact</b>	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
<b>Eye Contact</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

#### Most Important Symptoms/Effects, Acute and Delayed

##### Potential Acute Health Effects

<b>Eye Contact</b>	Causes serious eye irritation..
<b>Inhalation</b>	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
<b>Skin Contact</b>	May causes skin irritation.
<b>Ingestion</b>	Irritating to mouth, throat, and stomach.

## SECTION 4. FIRST-AID MEASURES (Cont'd)

### Over-Exposure Sign/Symptoms

<b>Eye Contact</b>	Adverse symptoms may include the following: Pain or irritation Watering Redness
<b>Inhalation</b>	Adverse symptoms may include the following: Respiratory tract irritation Coughing
<b>Skin Contact</b>	Adverse symptoms may include the following: Irritation Redness
<b>Ingestion</b>	Adverse symptoms may include the following: Nausea or vomiting Central nervous system depression

### Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

<b>Notes to Physician</b>	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
<b>Specific Treatments</b>	No specific treatment.
<b>Protection of First-Aiders</b>	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See Toxicological Information (Section 11)

## SECTION 5. FIRE FIGHTING MEASURES

### Extinguishing Media

<b>Suitable Extinguishing Media:</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	None known.
<b>Specific Hazards Arising from the Chemical:</b>	Extremely flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from fire at high speed. Runoff to sewer may create fire or explosion hazard.
<b>Hazardous Thermal Decomposition Products</b>	Decomposition products may include the following materials: Carbon Dioxide Carbon Monoxide Halogenated Compounds Carbonyl Halides
<b>Special Protective Actions for Firefighters</b>	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
<b>Special Protective Equipment or Firefighters</b>	Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

<b>For Non-Emergency Personnel</b>	No action shall be taken involving any personal risk without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For Emergency Responders</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For Non-Emergency Personnel".
<b>Environmental Precautions</b>	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

### Methods and Materials for Containment and Cleaning Up

<b>Small Spill</b>	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
<b>Large Spill</b>	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite, or diatomaceous earth and place in container for disposal according to local regulations (See Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: See Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

<b>Protective Measures</b>	Put on appropriate personal protective equipment (See Section 8). Pressurize container: protect from sunlight and do not expose to temperatures exceeding +50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin, and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.
<b>Advice on General Occupational Hygiene</b>	Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**SECTION 7. HANDLING AND STORAGE (Cont'd)****Precautions for Safe Handling (Cont'd)**

<b>Conditions for Safe Storage, Including any Incompatibilities</b>	Store in accordance with local regulations. Store away from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials (See Section 10) and food and drink. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination.
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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****CONTROL PARAMETERS****Occupational Exposure Limits**

<b>Ingredient Name</b>	<b>Exposure Limits</b>
Ethyl Alcohol	<b>ACGIH TLV (United States, 4/2014).</b> STEL: 1000ppm 15 minutes <b>NIOSH REL (United States, 10/2013).</b> TWA: 1900mg/m <sup>3</sup> 10 hours TWA: 1000ppm 10 hours <b>OSHA PEL (United States, 2/2013).</b> TWA: 1900mg/m <sup>3</sup> 8 hours TWA: 1000ppm 8 hours <b>OSHA PEL 1989 (United States, 3/1989).</b> TWA: 1900mg/m <sup>3</sup> 8 hours TWA: 1000ppm 8 hours
Isopropyl Alcohol	<b>ACGIH TLV (United States, 4/2014).</b> STEL: 400ppm 15 minutes TWA: 200ppm 8 hours <b>NIOSH REL (United States, 10/2013).</b> STEL: 1225mg/m <sup>3</sup> 15 minutes STEL: 500ppm 15 minutes TWA: 980mg/m <sup>3</sup> 10 hours TWA: 400ppm 10 hours <b>OSHA PEL (United States, 2/2013).</b> TWA: 980mg/m <sup>3</sup> 8 hours TWA: 400ppm 8 hours <b>OSHA PEL 1989 (United States, 3/1989).</b> STEL: 1225mg/m <sup>3</sup> 15 minutes STEL: 500ppm 15 minutes TWA: 980mg/m <sup>3</sup> 10 hours TWA: 400ppm 10 hours

<b>Appropriate Engineering Controls</b>	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor, or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
<b>Environmental Exposure Control</b>	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters, or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (Cont'd)

### CONTROL PARAMETERS (Cont'd)

#### Individual Protection Measures

<b>Hygiene Measures</b>	Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Eye/Face Protection</b>	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### Skin Protection

<b>Hand Protection</b>	Chemical-resistant, impervious gloves, complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
<b>Body Protection</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
<b>Other Skin Protection</b>	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Respiratory Protection

<b>Respiratory Protection</b>	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

<b>Physical State</b>	Liquid. [Aerosol.]
<b>Color</b>	Clear. Colorless
<b>Odor</b>	Characteristic
<b>Odor Threshold</b>	Not Available.
<b>pH</b>	Not Available.
<b>Melting Point</b>	Not Available.
<b>Boiling Point</b>	Not Available.
<b>Flash Point</b>	Closed cup: -5.56°C (22°F) [Tagliabue.]
<b>Evaporation Rate</b>	Not Available.
<b>Flammability (Solid, Gas)</b>	Not Available.
<b>Lower and Upper Explosive (Flammable) Limits</b>	Not Available.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (Cont'd)****Appearance**

<b>Vapor Pressure</b>	7.4kPa (55.49mm Hg) [room temperature]
<b>Vapor Density</b>	2.1 [Air = 1]
<b>Relative Density</b>	0.71
<b>Solubility</b>	Not Available.
<b>Partition Coefficient: n-octanol/water</b>	Not Available.
<b>Auto-Ignition Temperature</b>	Not Available.
<b>Decomposition Temperature</b>	Not Available.
<b>Viscosity</b>	Not Available.

**Aerosol Product**

<b>Type of Aerosol</b>	Spray
<b>Heat of Combustion</b>	30.26kJ/g

**SECTION 10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical Stability</b>	This product is stable.
<b>Possibility of Hazardous Reactions</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to Avoid</b>	Avoid all possible sources of ignition (spark or flame).
<b>Incompatible Materials</b>	No specific data.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION  
INFORMATION ON TOXICOLOGICAL EFFECTS****Acute Toxicity**

<b>Product/Ingredient Name</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>	<b>Exposure</b>
Ethyl Alcohol	LC50 Inhalation Vapor	Rat	124700mg/m <sup>3</sup>	4 hours
	LD50 Oral	Rat	7g/kg	-
Isopropyl Alcohol	LC50 Dermal	Rabbit	12800mg/kg	-
	LD50 Oral	Rat	5000mg/kg	-

**Irritation/Corrosion**

<b>Product/Ingredient Name</b>	<b>Result</b>	<b>Species</b>	<b>Score</b>	<b>Exposure</b>	<b>Observation</b>
Ethyl Alcohol	Eyes – Mild Irritant	Rabbit	-	500 milligrams 24 hours	-
	Eyes – Moderate Irritant	Rabbit	-	100 milligrams 0.066666667 minutes	-
	Eyes – Moderate Irritant	Rabbit	-	100 microliters	-
	Eyes – Severe Irritant	Rabbit	-	500 milligrams	-
	Skin – Mild Irritant	Rabbit	-	400 milligrams 24 hours	-
	Skin – Moderate Irritant	Rabbit	-	20 milligrams 24 hours	-
Isopropyl Alcohol	Eyes – Moderate Irritant	Rabbit	-	100 milligrams	-
	Eyes – Moderate Irritant	Rabbit	-	10 milligrams	-
	Eyes – Severe Irritant	Rabbit	-	100 milligrams	-
	Skin – Mild Irritant	Rabbit	-	500 milligrams	-

**Sensitization**

<b>Conclusion/Summary</b>	Not Available
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**Mutagenicity**

<b>Conclusion/Summary</b>	Not Available
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**Carcinogenicity**

<b>Conclusion/Summary</b>	Not Available
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**SECTION 11. TOXICOLOGICAL INFORMATION (Cont'd)**  
**INFORMATION ON TOXICOLOGICAL EFFECTS (Cont'd)**

**Classification**

Product/Ingredient Name	OSHA	IARC	NTP
Ethyl Alcohol	-	1	-
Isopropyl Alcohol	-	3	-

**Reproductive Toxicity**

Conclusion/Summary	Not Available
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**Teratogenicity**

Conclusion/Summary	Not Available
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**Specific Target Organ Toxicity (Single Exposure)**

Name	Category	Route of Exposure	Target Organs
Isopropyl Alcohol	Category 3	Not Applicable	Narcotic effects

**Specific Target Organ Toxicity (Repeated Exposure)**

Conclusion/Summary	Not Available
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**Aspiration Hazard**

Conclusion/Summary	Not Available
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Information on the Likely Routes of Exposure	Not Available
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**Potential Acute Health Effects**

Eye Contact	Causes serious eye irritation.
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure..
Skin Contact	May causes skin irritation.
Ingestion	Irritation to mouth, throat, and stomach.

**Symptom Related to the Physical, Chemical, and Toxicological Characteristics**

Eye Contact	Adverse symptoms may include the following: Pain or irritation Watering Redness
Inhalation	Adverse symptoms may include the following: Respiratory Tract Irritation Coughing
Skin Contact	Adverse symptoms may include the following: Irritation Redness
Ingestion	Adverse symptoms may include the following: Nausea or Vomiting Central nervous system depression

**Delayed and immediate Effects and also Chronic Effects from Short and Long Term Exposure**

**Short Term Exposure**

Potential Immediate Effects	Not Available
Potential Delayed Effects	Not Available

**Long Term Exposure**

Potential Immediate Effects	Not Available
Potential Delayed Effects	Not Available



**SECTION 11. TOXICOLOGICAL INFORMATION (Cont'd)**  
**INFORMATION ON TOXICOLOGICAL EFFECTS (Cont'd)**

**Potential Chronic Health Effects**

<b>Conclusion/Summary</b>	Not Available
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<b>General</b>	No Known Significant Effects of Critical Hazards
<b>Carcinogenicity</b>	No Known Significant Effects of Critical Hazards
<b>Mutagenicity</b>	No Known Significant Effects of Critical Hazards
<b>Teratogenicity</b>	No Known Significant Effects of Critical Hazards
<b>Developmental Effects</b>	No Known Significant Effects of Critical Hazards
<b>Fertility Effects</b>	No Known Significant Effects of Critical Hazards

**Numerical Measures of Toxicity**

**Acute Toxicity Estimates**

<b>Route</b>	<b>ATE Value</b>
Oral	38295.5mg/kg

**SECTION 12. ECOLOGICAL INFORMATION**

**Toxicity**

<b>Product/Ingredient Name</b>	<b>Result</b>	<b>Species</b>	<b>Exposure</b>
Ethyl Alcohol	Acute EC50 17.921mg/l Marine Water	Algae – Ulva Pertusa	96 hours
	Acute EC50 2000µg/l Fresh Water	Daphnia – Daphnia Magna	48 hours
	Acute LC50 25500µg/l Marine Water	Crustaceans – Artemia Franciscana – Larvae	48 hours
	Acute LC50 42000µg/l Fresh Water	Fish – Oncorhynchus Mykiss	4 days
	Chronic NOEC 4.995mg/l Marine Water	Algae – Ulva Pertusa	96 hours
	Chronic NOEC 0.375µl/L Fresh Water	Fish – Gambusia Holbrooki - Larvae	12 weeks
Isopropyl Alcohol	Acute LC50 1400000 to 1950000µg/l Marine Water	Crustaceans – Crangon Crangon	48 hours
	Acute LC50 1400000µg/l	Fish – Gambusia Affinis	96 hours

**Persistence/Degradability**

<b>Conclusion/Summary</b>	Not Available
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**Bioaccumulative Potential**

<b>Product/Ingredient Name</b>	<b>LogP<sub>ow</sub></b>	<b>BCF</b>	<b>Potential</b>
Ethyl Alcohol	-0.35	-	Low
Isopropyl Alcohol	0.05	-	Low




**Mobility in Soil**

<b>Soil/Water Partition Coefficient (K<sub>oc</sub>)</b>	Not Available
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**SECTION 13. DISPOSAL CONSIDERATIONS**

<b>Disposal Methods</b>	The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any other by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.
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**SECTION 14. TRANSPORT INFORMATION**

	<b>DOT Classification</b>	<b>TDG Classification</b>	<b>Mexico Classification</b>	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN Number</b>	-	-	-	UN1950	UN1950	ID8000
<b>UN Proper Shipping Name</b>	Consumer Commodity ORM-D	Consumer Commodity ORM-D	Consumer Commodity ORM-D	Aerosols, flammable	Aerosols, flammable	Consumer Commodity ID8000
<b>Transport Hazard Class(es)</b>	ORM-D	ORM-D	ORM-D	2 	2.1 	9 
<b>Packing Group</b>	-	-	-	-	-	-
<b>Environmental Hazards</b>	No	No	No	No	No	No
<b>Additional Information</b>	-	-	-	<u>Tunnel code</u> (D)	-	-

<b>Special Precautions for User</b>	<b>Transport within user's premises:</b> always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
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<b>Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code</b>	Not Available
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**SECTION 15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

<b>TSCA 8(a) – PAIR</b>	Heptane
<b>TSCA 8(a) – CDR Exempt/Partial Exemption</b>	Not Determined All components are listed or exempted
<b>Clean Air Act (CAA) 112 Regulated Flammable Substances</b>	1,1-difluoroethane

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)**

<b>Classification</b>	Not Listed
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**Clean Air Act Section 602 Class I Substances**

<b>Classification</b>	Not Listed
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**Clean Air Act Section 602 Class II Substances**

<b>Classification</b>	Not Listed
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**DEA List I Chemicals (Precursor Chemicals)**

<b>Classification</b>	Not Listed
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**DEA List II Chemicals (Essential Chemicals)**

<b>Classification</b>	Not Listed
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**SARA 302/304**

<b>Composition/Information on Ingredients</b>	No Products Were Found
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**SARA 304 RQ**

<b>Classification</b>	No Applicable
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**SARA 311/312**

<b>Classification</b>	Fire Hazard. Immediate (acute) health hazard.
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**SECTION 15. REGULATORY INFORMATION (Cont'd)****Composition/Information on Ingredients**

Name	%	Fire Hazard	Sudden Release of Pressure	Reactive	Immediate (Acute) Health Hazard	Delayed (Chronic) Health Hazard
Ethyl Alcohol	10 - 20	Yes	No	No	Yes	No
Isopropyl Alcohol	7 - 15	Yes	No	No	Yes	No

**SARA 313**

	Product Name	CAS Number	%
<b>Form R – Reporting Requirement</b>	Isopropyl Alcohol	67-63-0	7 – 15
<b>Supplier Notification</b>	Isopropyl Alcohol	67-63-0	7 – 15

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**State Regulations**

<b>Massachusetts</b>	The Following Components are Listed: HEPTANE (N-HEPTANE); DIFLUOROETHANE; ETHYL ALCOHOL; ISOPROPYL ALCOHOL
<b>New York</b>	The Following Components are Listed
<b>New Jersey</b>	The Following Components are Listed: n-HEPTANE; HEPTANE; 1,1-DIFLUOROETHANE; ETHANE, 1,1-DIFLUORO-; ETHYL ALCOHOL; ALCOHOL; ISOPROPYL ALCOHOL; 2-PROPANOL
<b>Pennsylvania</b>	The Following Components are Listed: HEPTANE; DENATURED ALCOHOL; 2-PROPANOL

**International Regulations****Chemical Weapon Convention List Schedules I, II & III Chemicals**

<b>Classification</b>	Not Listed
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**Montreal Protocol (Annexes A, B, C, E)**

<b>Classification</b>	Not Listed
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**Stockholm Convention on Persistent Organic Pollutants**

<b>Classification</b>	Not Listed
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**Rotterdam Convention on Prior Inform Consent (PIC)**

<b>Classification</b>	Not Listed
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**UNECE Aarhus Protocol on POPs and Heavy Metals**

<b>Classification</b>	Not Listed
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**International Lists****National Inventory**

<b>Australia</b>	All Components are Listed or Exempted.
<b>Canada</b>	All Components are Listed or Exempted.
<b>China</b>	All Components are Listed or Exempted.
<b>Europe</b>	All Components are Listed or Exempted.
<b>Japan</b>	All Components are Listed or Exempted.
<b>Malaysia</b>	Not Determined.
<b>New Zealand</b>	All Components are Listed or Exempted.
<b>Philippines</b>	All Components are Listed or Exempted.
<b>Republic of Korea</b>	All Components are Listed or Exempted.
<b>Taiwan</b>	All Components are Listed or Exempted.

## SECTION 16. OTHER INFORMATION

### Hazardous Material Information System (U.S.A.)

Health	1
Flammability	3
Physical Hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the national Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J.J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.

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### Further Information

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