

## SECTION 1: IDENTIFICATION

### Product Identifier

Product Form: Mixture

Product Name: EverGuard TPO Quick Spray Adhesive LV50

### Intended Use of the Product

Use of the Substance/Mixture: No use is specified.

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

#### Company

GAF  
 1 Campus Drive  
 Parsippany, NJ 07054  
 888-GAF-ROOF

### Emergency Telephone Number

Emergency Number : CHEMTREC 1-800-424-9300

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### Classification (GHS-US)

Flam. Gas 1 H220

Compressed gas H280

Eye Irrit. 2A H319

STOT SE 3 H336

Full text of H-phrases: see section 16

### Label Elements

#### GHS-US Labeling

#### Hazard Pictograms (GHS-US)



#### Signal Word (GHS-US)

#### Hazard Statements (GHS-US)

- : Danger  
 : H220 - Extremely flammable gas.  
 : H280 - Contains gas under pressure; may explode if heated.  
 : H319 - Causes serious eye irritation.  
 : H336 - May cause drowsiness or dizziness.

#### Precautionary Statements (GHS-US)

- : P210 - Keep away from extremely high or low temperatures, ignition sources, and incompatible materials. - No smoking.  
 : P261 - Avoid breathing gas.  
 : P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
 : P271 - Use only outdoors or in a well-ventilated area.  
 : P280 - Wear respiratory protection, protective gloves, protective clothing, face protection, eye protection.  
 : P304+P340 - IF INHALED: Remove person 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.

P312 - Call a poison center or doctor if you feel unwell.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.  
 P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.  
 P381 - Eliminate all ignition sources if safe to do so.  
 P403 - Store in a well-ventilated place.  
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

#### **Other Hazards**

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. Flammable vapors can accumulate in head space of closed systems.

**Unknown Acute Toxicity (GHS-US)** Not available

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

#### **Mixture**

Name	Product Identifier	% (w/w)
Methyl acetate	(CAS No) 79-20-9	45 -70
Resin acids and rosin acids, esters with pentaerythritol	(CAS No) 8050-26-8	10 – 30
Propane	(CAS No) 74-98-6	5 – 10
Butane	(CAS No) 106-97-8	5 – 10
Carbon dioxide	(CAS No) 124-38-9	0.5 – 1.5
Heptane, branched, cyclic and linear	(CAS No) 426260-76-6	0.5 – 1.5
n-Heptane	(CAS No) 142-82-5	0.5 – 1.5

### **SECTION 4: FIRST AID MEASURES**

#### **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 if possible).

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Rinse affected area with water for at least 5 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation persists.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**Ingestion:** Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

#### **Most Important Symptoms and Effects Both Acute and Delayed**

**General:** Causes serious eye irritation. May cause drowsiness and dizziness.

**Inhalation:** May cause drowsiness or dizziness.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

#### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If you feel unwell, seek medical advice (show the label where possible).

### **SECTION 5: FIRE-FIGHTING MEASURES**

#### **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.

#### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Extremely flammable gas.

**Explosion Hazard:** May form flammable/explosive vapor-air mixture.

**Reactivity:** Reacts with (strong) oxidizers: (increased) risk of fire.

**Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

**Firefighting Instructions:** Exercise caution when fighting any chemical fire. Leaking gas fire: Do not extinguish, unless leak can be stopped safely. In case of leaking gas fire, eliminate all ignition sources if safe to do so.

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

**Hazardous Combustion Products:** Burning can produce carbon monoxide, carbon dioxide, chloride and hydrocarbons. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

**Reference to Other Sections**

Refer to section 9 for flammability properties.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, gas). Use special care to avoid static electric charges. Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

**For Non-Emergency Personnel**

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

**Emergency Procedures:** Evacuate unnecessary personnel.

**For Emergency Personnel**

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

**Emergency Procedures:** Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.

**Environmental Precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Do not take up in combustible material such as: saw dust or cellulosic material.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Use only non-sparking tools.

**Reference to Other Sections**

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

**SECTION 7: HANDLING AND STORAGE****Precautions for Safe Handling**

**Additional Hazards When Processed:** Handle empty containers with care because residual vapors are flammable. Extremely flammable gas.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep in fireproof place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

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

**Specific End Use(s)**

No use is specified.

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

Propane (74-98-6)		
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1800 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
USA IDLH	US IDLH (ppm)	2100 ppm (10% LEL)

USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1800 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
<b>Butane (106-97-8)</b>		
USA ACGIH	ACGIH STEL (ppm)	1000 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	800 ppm
<b>Methyl acetate (79-20-9)</b>		
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	250 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	610 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	610 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	760 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (STEL) (ppm)	250 ppm
USA IDLH	US IDLH (ppm)	3100 ppm (10% LEL)
Alberta	OEL STEL (mg/m <sup>3</sup> )	757 mg/m <sup>3</sup>
Alberta	OEL STEL (ppm)	250 ppm
Alberta	OEL TWA (mg/m <sup>3</sup> )	606 mg/m <sup>3</sup>
Alberta	OEL TWA (ppm)	200 ppm
British Columbia	OEL STEL (ppm)	250 ppm
British Columbia	OEL TWA (ppm)	200 ppm
Manitoba	OEL STEL (ppm)	250 ppm
Manitoba	OEL TWA (ppm)	200 ppm
New Brunswick	OEL STEL (mg/m <sup>3</sup> )	757 mg/m <sup>3</sup>
New Brunswick	OEL STEL (ppm)	250 ppm
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	606 mg/m <sup>3</sup>
New Brunswick	OEL TWA (ppm)	200 ppm
Newfoundland & Labrador	OEL STEL (ppm)	250 ppm
Newfoundland & Labrador	OEL TWA (ppm)	200 ppm
Nova Scotia	OEL STEL (ppm)	250 ppm
Nova Scotia	OEL TWA (ppm)	200 ppm
Nunavut	OEL STEL (mg/m <sup>3</sup> )	760 mg/m <sup>3</sup>
Nunavut	OEL STEL (ppm)	250 ppm
Nunavut	OEL TWA (mg/m <sup>3</sup> )	605 mg/m <sup>3</sup>
Nunavut	OEL TWA (ppm)	200 ppm
Northwest Territories	OEL STEL (mg/m <sup>3</sup> )	760 mg/m <sup>3</sup>
Northwest Territories	OEL STEL (ppm)	250 ppm
Northwest Territories	OEL TWA (mg/m <sup>3</sup> )	605 mg/m <sup>3</sup>
Northwest Territories	OEL TWA (ppm)	200 ppm
Ontario	OEL STEL (ppm)	250 ppm
Ontario	OEL TWA (ppm)	200 ppm
Prince Edward Island	OEL STEL (ppm)	250 ppm
Prince Edward Island	OEL TWA (ppm)	200 ppm
Québec	VECD (mg/m <sup>3</sup> )	757 mg/m <sup>3</sup>
Québec	VECD (ppm)	250 ppm
Québec	VEMP (mg/m <sup>3</sup> )	606 mg/m <sup>3</sup>
Québec	VEMP (ppm)	200 ppm
Saskatchewan	OEL STEL (ppm)	250 ppm
Saskatchewan	OEL TWA (ppm)	200 ppm
Yukon	OEL STEL (mg/m <sup>3</sup> )	760 mg/m <sup>3</sup>

Yukon	OEL STEL (ppm)	250 ppm
Yukon	OEL TWA (mg/m <sup>3</sup> )	610 mg/m <sup>3</sup>
Yukon	OEL TWA (ppm)	200 ppm
<b>Carbon dioxide (124-38-9)</b>		
USA ACGIH	ACGIH TWA (ppm)	5000 ppm
USA ACGIH	ACGIH STEL (ppm)	30000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	5000 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (TWA) (ppm)	5000 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	54000 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL (STEL) (ppm)	30000 ppm
USA IDLH	US IDLH (ppm)	40000 ppm
Alberta	OEL STEL (mg/m <sup>3</sup> )	54000 mg/m <sup>3</sup>
Alberta	OEL STEL (ppm)	30000 ppm
Alberta	OEL TWA (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
Alberta	OEL TWA (ppm)	5000 ppm
British Columbia	OEL STEL (ppm)	15000 ppm
British Columbia	OEL TWA (ppm)	5000 ppm
Manitoba	OEL STEL (ppm)	30000 ppm
Manitoba	OEL TWA (ppm)	5000 ppm
New Brunswick	OEL STEL (mg/m <sup>3</sup> )	54000 mg/m <sup>3</sup>
New Brunswick	OEL STEL (ppm)	30000 ppm
New Brunswick	OEL TWA (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
New Brunswick	OEL TWA (ppm)	5000 ppm
Newfoundland & Labrador	OEL STEL (ppm)	30000 ppm
Newfoundland & Labrador	OEL TWA (ppm)	5000 ppm
Nova Scotia	OEL STEL (ppm)	30000 ppm
Nova Scotia	OEL TWA (ppm)	5000 ppm
Nunavut	OEL STEL (mg/m <sup>3</sup> )	27000 mg/m <sup>3</sup>
Nunavut	OEL STEL (ppm)	15000 ppm
Nunavut	OEL TWA (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
Nunavut	OEL TWA (ppm)	5000 ppm
Northwest Territories	OEL STEL (mg/m <sup>3</sup> )	27000 mg/m <sup>3</sup>
Northwest Territories	OEL STEL (ppm)	15000 ppm
Northwest Territories	OEL TWA (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
Northwest Territories	OEL TWA (ppm)	5000 ppm
Ontario	OEL STEL (ppm)	30000 ppm
Ontario	OEL TWA (ppm)	5000 ppm
Prince Edward Island	OEL STEL (ppm)	30000 ppm
Prince Edward Island	OEL TWA (ppm)	5000 ppm
Québec	VECD (mg/m <sup>3</sup> )	54000 mg/m <sup>3</sup>
Québec	VECD (ppm)	30000 ppm
Québec	VEMP (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
Québec	VEMP (ppm)	5000 ppm
Saskatchewan	OEL STEL (ppm)	30000 ppm
Saskatchewan	OEL TWA (ppm)	5000 ppm
Yukon	OEL STEL (mg/m <sup>3</sup> )	27000 mg/m <sup>3</sup>
Yukon	OEL STEL (ppm)	15000 ppm
Yukon	OEL TWA (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
Yukon	OEL TWA (ppm)	5000 ppm

<b>n-Heptane (142-82-5)</b>		
<b>USA ACGIH</b>	ACGIH TWA (ppm)	400 ppm
<b>USA ACGIH</b>	ACGIH STEL (ppm)	500 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) (ppm)	500 ppm
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	350 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (TWA) (ppm)	85 ppm
<b>USA NIOSH</b>	NIOSH REL (ceiling) (mg/m <sup>3</sup> )	1800 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL (ceiling) (ppm)	440 ppm
<b>USA IDLH</b>	US IDLH (ppm)	750 ppm
<b>Alberta</b>	OEL STEL (mg/m <sup>3</sup> )	2050 mg/m <sup>3</sup>
<b>Alberta</b>	OEL STEL (ppm)	500 ppm
<b>Alberta</b>	OEL TWA (mg/m <sup>3</sup> )	1640 mg/m <sup>3</sup>
<b>Alberta</b>	OEL TWA (ppm)	400 ppm
<b>British Columbia</b>	OEL STEL (ppm)	500 ppm
<b>British Columbia</b>	OEL TWA (ppm)	400 ppm
<b>Manitoba</b>	OEL STEL (ppm)	500 ppm
<b>Manitoba</b>	OEL TWA (ppm)	400 ppm
<b>New Brunswick</b>	OEL STEL (mg/m <sup>3</sup> )	2050 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL STEL (ppm)	500 ppm
<b>New Brunswick</b>	OEL TWA (mg/m <sup>3</sup> )	1640 mg/m <sup>3</sup>
<b>New Brunswick</b>	OEL TWA (ppm)	400 ppm
<b>Newfoundland &amp; Labrador</b>	OEL STEL (ppm)	500 ppm
<b>Newfoundland &amp; Labrador</b>	OEL TWA (ppm)	400 ppm
<b>Nova Scotia</b>	OEL STEL (ppm)	500 ppm
<b>Nova Scotia</b>	OEL TWA (ppm)	400 ppm
<b>Nunavut</b>	OEL STEL (mg/m <sup>3</sup> )	2049 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL STEL (ppm)	500 ppm
<b>Nunavut</b>	OEL TWA (mg/m <sup>3</sup> )	1640 mg/m <sup>3</sup>
<b>Nunavut</b>	OEL TWA (ppm)	400 ppm
<b>Northwest Territories</b>	OEL STEL (mg/m <sup>3</sup> )	2049 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL STEL (ppm)	500 ppm
<b>Northwest Territories</b>	OEL TWA (mg/m <sup>3</sup> )	1640 mg/m <sup>3</sup>
<b>Northwest Territories</b>	OEL TWA (ppm)	400 ppm
<b>Ontario</b>	OEL STEL (ppm)	500 ppm
<b>Ontario</b>	OEL TWA (ppm)	400 ppm
<b>Prince Edward Island</b>	OEL STEL (ppm)	500 ppm
<b>Prince Edward Island</b>	OEL TWA (ppm)	400 ppm
<b>Québec</b>	VECD (mg/m <sup>3</sup> )	2050 mg/m <sup>3</sup>
<b>Québec</b>	VECD (ppm)	500 ppm
<b>Québec</b>	VEMP (mg/m <sup>3</sup> )	1640 mg/m <sup>3</sup>
<b>Québec</b>	VEMP (ppm)	400 ppm
<b>Saskatchewan</b>	OEL STEL (ppm)	500 ppm
<b>Saskatchewan</b>	OEL TWA (ppm)	400 ppm
<b>Yukon</b>	OEL STEL (mg/m <sup>3</sup> )	2000 mg/m <sup>3</sup>
<b>Yukon</b>	OEL STEL (ppm)	500 ppm
<b>Yukon</b>	OEL TWA (mg/m <sup>3</sup> )	1600 mg/m <sup>3</sup>
<b>Yukon</b>	OEL TWA (ppm)	400 ppm

**Exposure Controls**

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

**Personal Protective Equipment:** Protective goggles. Gloves. Face shield. Insufficient ventilation: wear respiratory protection. Full protective flameproof clothing.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical safety goggles.

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

**Respiratory Protection:** Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

**Environmental Exposure Controls:** Do not allow the product to be released into the environment.

**Consumer Exposure Controls:** Do not eat, drink or smoke during use

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****Information on Basic Physical and Chemical Properties**

Physical State	: Liquid (Aerosol)
Appearance	: Light amber liquid
Odor	: Etherial odor
Odor Threshold	: Not available
pH	: Not applicable
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: Not available
Boiling Point	: Propellant: -24.4 °C (-11.9 °F) ; Concentrate: 56°C (132.8 °F)
Flash Point	: -105 °C (-157 °F) (Tag Closed Cup)
Auto-ignition Temperature	: Concentrate: >465 °C (869 °F)
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Propellant: 1.8%; Concentrate: 3.1%
Upper Flammable Limit	: Propellant: 9.5%; Concentrate: 16.0%
Vapor Pressure	: Propellant: 70 psig (3620 mmHg) @20 °C; Concentrate: 171 mmHg @20 °C
Relative Vapor Density at 20 °C	: Not available
Relative Density	: 0.96 g/mL (Concentrate)
Specific Gravity	: 0.96 @ 20 °C (Concentrate)
Solubility	: Not soluble in water
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Do not subject aerosol products to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Yes, in certain circumstances product can ignite due to static discharge.
VOC Content (SCAQMD Rule 1168)	: 77 g/L (0.63 lb/gal)
VHAP Content	: 0.0 lb/lb solids

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** Reacts with (strong) oxidizers: (increased) risk of fire.

**Chemical Stability:** Extremely flammable gas.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

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

**Hazardous Decomposition Products:** Carbon oxides (CO, CO<sub>2</sub>). Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons.

**SECTION 11: TOXICOLOGICAL INFORMATION****Information on Toxicological Effects - Product**

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** 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 drowsiness or dizziness.

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May cause drowsiness or dizziness.

**Symptoms/Injuries After Skin Contact:** May cause skin irritation.

**Symptoms/Injuries After Eye Contact:** Causes serious eye irritation. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

**Information on Toxicological Effects - Ingredient(s)**

**LD50 and LC50 Data:**

Methyl acetate (79-20-9)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 5 g/kg
LC50 Inhalation Rat	16000 ppm/4h

**SECTION 12: ECOLOGICAL INFORMATION**

**Toxicity** No additional information available

Methyl acetate (79-20-9)	
LC50 Fish 1	295 - 348 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	1026.7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC 50 Fish 2	250 - 350 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
n-Heptane (142-82-5)	
LC50 Fish 1	375.0 mg/l (Exposure time: 96 h - Species: Cichlid fish)

**Persistence and Degradability****Bioaccumulative Potential**

Methyl acetate (79-20-9)	
Log Pow	0.18
Carbon dioxide (124-38-9)	
BCF Fish 1	(no bioaccumulation)
Log Pow	0.83



<b>n-Heptane (142-82-5)</b>	
<b>Log Pow</b>	4.66

**Mobility in Soil** Not available

**Other Adverse Effects**

**Other Information:** Avoid release to the environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information:** Handle empty containers with care because residual product is flammable.

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

**SECTION 14: TRANSPORT INFORMATION**

**In Accordance with DOT**

**Proper Shipping Name** : CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.(Petroleum Gases, Liquefied; Methyl Acetate)  
**Hazard Class** : 2.1  
**Identification Number** : UN3501  
**Label Codes** : 2.1  
**ERG Number** : 115



**In Accordance with IMDG**

**Proper Shipping Name** : CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.(Petroleum Gases, Liquefied; Methyl Acetate)  
**Hazard Class** : 2  
**Identification Number** : UN3501  
**Label Codes** : 2.1  
**EmS-No. (Fire)** : F-D  
**EmS-No. (Spillage)** : S-U



**In Accordance with IATA\***

**Proper Shipping Name** : CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (Petroleum Gases, Liquefied; Methyl Acetate)  
**Identification Number** : UN3501  
**Hazard Class** : 2.1  
**Label Codes** : 2.1



\*According to IATA, Forbidden to transport via passenger craft. If shipping on cargo aircraft, adhere to special provisions A1 and A187.

**In Accordance with TDG**

**Proper Shipping Name** : CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.(Petroleum Gases, Liquefied; Methyl Acetate)  
**Hazard Class** : 2.1  
**Identification Number** : 3501  
**Label Codes** : 2.1



**SECTION 15: REGULATORY INFORMATION**

**US Federal Regulations**

<b>SARA Section 311/312 Hazard Classes</b>	Immediate (acute) health hazard
<b>Propane (74-98-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Butane (106-97-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Methyl acetate (79-20-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.
<b>Resin acids and rosin acids, esters with pentaerythritol (8050-26-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

<b>Carbon dioxide (124-38-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Heptane, branched, cyclic and linear (426260-76-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>n-Heptane (142-82-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

**US State Regulations**

<b>Propane (74-98-6)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
<b>Butane (106-97-8)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
<b>Methyl acetate (79-20-9)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
<b>Carbon dioxide (124-38-9)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
<b>n-Heptane (142-82-5)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

**Canadian Regulations**

<b>Propane (74-98-6)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Butane (106-97-8)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Methyl acetate (79-20-9)</b>
Listed on the Canadian DSL (Domestic Substances List) Listed on the Canadian IDL (Ingredient Disclosure List) IDL Concentration 1 %
<b>Resin acids and rosin acids, esters with pentaerythritol (8050-26-8)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Carbon dioxide (124-38-9)</b>
Listed on the Canadian DSL (Domestic Substances List) Listed on the Canadian IDL (Ingredient Disclosure List) IDL Concentration 1 %
<b>Heptane, branched, cyclic and linear (426260-76-6)</b>
Listed on the Canadian DSL (Domestic Substances List)

<b>n-Heptane (142-82-5)</b>
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)
IDL Concentration 1 %

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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

**Revision Date** : 02/07/2019

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases:**

H220	Extremely flammable gas
H280	Contains gas under pressure; may explode if heated
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

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