Enviro-Safe ProSeal

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Enviro-Safe ProSeal
SDS Number: 2060
Revision Date: 1/13/2020
Version: 2.0
Product Description: A/C Sealant

Supplier Details: Enviro-Safe Refrigerants, Inc.
400 Hanna Dr.
Pekin, IL 61554

Contact: Randy Price
Phone: 309-346-1110
Fax: 309-346-1237
Email: info@es-refrigerants.com
Internet: www.es-refrigerants.com
Emergency: CHEMTREC 1-800-424-9300

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Physical, Flammable Gases, 1
Physical, Flammable Liquids, 2
Physical, Gases Under Pressure, Liquefied Gas

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:

GHS Hazard Statements:

H220 - Extremely flammable gas
H225 - Highly flammable liquid and vapour
H280 - Contains gas under pressure; may explode if heated

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241- Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303 + P361+ P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P381- Eliminate all ignition sources if safe to do so.
P403 + P235 - Store in a well-ventilated place. Keep cool.
P410 + P403 - Protect from sunlight. Store in a well-ventilated place.
P501- Dispose of contents/ container to an approved waste disposal plant.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Other Hazards -
Other Hazards Not Contributing to the Classification: Contact with product may cause cold burns or frostbite.
Aquatic Acute 3
H402 - Harmful to aquatic life
P273 - Avoid release to the environment
Unknown Toxicity (GHS-US)
No data available

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:

CAS#	%	Chemical Name:
74-98-6	55.9844%	Propane
106-97-8	41.0156%	Butane
64-17-5	2.9999%	Ethyl alcohol
108-88-3	0.001%	Toluene

4 FIRST AID MEASURES

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Immediately call a POISON CENTER or docotr/physician.

Skin Contact: If frostbite or freezing occurs, immediately flush with plenty of lukewarm water to GENTLY warm the affected area. Do not use hot water. Do not rub affected area. Get immediate medical attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

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

4.1. Description of First Aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
4.2. Most Important Symptoms and Effects, Both Acute and Delayed
Symptoms/Injuries: Gas can be toxic as simple asphyxiant by displacing oxygen from the air. Refrigerated liquefied gas. Contact with product may cause cold burns or frostbite.
Symptoms/Injuries After Inhalation: Asphyxiant gas.
Symptoms/Injuries After Skin Contact: May cause frostbite. May cause skin irritation.
Symptoms/Injuries After Eye Contact: Contact wiht the liquefied gas causes frostbite.
Symptoms/Injuries After Ingestion: Ingestion is an unlikely route of exposure for a gas.
4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If exposed or concerned, get medical advice and attention.

5 FIRE FIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).
Unsuitable Extinguishing Media: Do not use heavy stream. Use of heavy stream of water may spread fire.
5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: Flammable gas.
Explosion Hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Reactivity: Contains gas under pressure; may explode if heated. Reacts with strong oxidants causing fire and explsion hazard.
5.3. Advice for Firefighters
Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers.

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

6 ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use special care to avoid static electric charges. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Do not get in eyes, on skin, or on clothing. Do not breathe gas.

6.1.1. For Non-emergency Personnel

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

Emergency Procedures: Evacuate unnecessary personnel. Eliminate ignition sources.

6.1.Z. For Emergency Responders

Protective Equipment: Equip clean up crew with proper protection.

Emergency Procedures: Evacuate unnecessary personnel. Eliminate ignition sources.

6.2. Environmental Precautions

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

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Stop leak without risks if possible. Do not take up incombustible material such as: saw dust or cellulosic material.

Methods for Cleaning Up: Contact competent authorities after a spill.

6.4. Reference to Other Sections

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

7 HANDLING AND STORAGE

Handling Precautions:

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Personnel should be trained to regularly inspect equipment such as pumps, hoses, and valves. Do not breathe gas. Ensure there is adequate ventilation. Close valve after each use and when empty. Open valve slowly to avoid pressure shock.

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 again when leaving work.

Storage Requirements:

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Cylinders should be stored upright with valve protection cap in place and firmly secured to prevent falling. Keep at temperatures below 52 °C/125 °F.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep in fireproof place. Store locked up.

Incompatible Products: Heat sources. Oxidizers.

Special Rules on Packaging: Store in containers fitted with suitable release valve.

7.3. Specific End Use(s)

A/C Sealant.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Alarm detectors should be used when toxic gases may be released. 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:

HMIS PP, J I Splash Goggles, Gloves, Apron, Dust and Vapor Resp
HMIS PP, K I Full Face Respirator, Gloves, Full Suit, Boots
Propane cas#:(74-98-6) [55.9844%]

Personal Protective Equipment

Eye/Face Protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full Contact: Material: Fluorinated rubber Minimum layer thickness: 0.7 mm Break through time: 480 min Material tested:Vitoject (KCL 890 / Aldrich 2677698, Size M)

Splash Contact: Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 60 min Material tested:Camatril (KCL 730 / Aldrich 2677442, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and

under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Body Protection: Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of Environmental Exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Butane cas#:(106-97-8) [41.0156%]

Personal Protective Equipment

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Immersion protection Material: Fluorinated rubber Minimum layer thickness: 0.7 mm Break through time:> 480 min Material tested:Vitoject (Aldrich 2677698, Size M)
Splash Protection: Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time:> 30 min Material tested:Camatril (Aldrich 2677442, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 873000, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Eye Protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and Body Protection: Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Ethyl alcohol cas#:(64-17-5) [2.9999%]

Personal Protective Equipment

Eye/Face Protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Full Contact: Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 480 min Material tested:Butoject (KCL 897 / Aldrich 2677647, Size M)
Splash Contact: Material: Nitrile rubber Minimum layer thickness: 0.2 mm Break through time: 38 min Material tested:Dermatril P (KCL 743 / Aldrich 2677388, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and

under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
Body Protection: Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of Environmental Exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Propane cas#:(74-98-6) [55.9844%]

Components with workplace control parameters

TWA	1,000 ppm	USA. ACGIH Threshold Limit Values (TLV)

Central Nervous System Impairment Cardiac sensitization

TWA	1,000 ppm 1,800 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

The value in mg/m3 is approximate.

TWA	1,000 ppm 1,800 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
TWA	1,000 ppm 1,800 mg/m3	USA. NIOSH Recommended Exposure Limits

Butane cas#:(106-97-8) (41.0156%]

Components with workplace control parameters

TWA	800 ppm 1,900 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
TWA	1,000 ppm	USA. ACGIH Threshold Limit Values (TLV)
TWA	1,000 ppm	USA. ACGIH Threshold Limit Values (TLV)

Central Nervous System impairment Cardiac sensitization

TWA	800 ppm 1,900 mg/m3	USA. NIOSH Recommended Exposure Limits

Also see specific listing for Isobutane.

Ethyl alcohol cas#:(64-17-5) [2.9999%]

Components with workplace control parameters

TWA	1,000 ppm	USA. ACGIH Threshold Limit Values (TLV)

Upper Respiratory Tract Irritation Confirmed animal carcinogen with unknown relevance to humans

TWA 1,000 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
1,900 mg/m3

The value in mg/m3 is approximate.

TWA 1,000 ppm USA. NIOSH Recommended Exposure Limits
1,900 mg/m3

Toluene cas#(IOB-88-3) [0.0001]

USA ACGIH	ACGIH TWA (ppm): 20ppm
USA NIOSH	NIOSH REL (TWA) (mg/m3): 375mg/m3
USA NIOSH	NIOSH REL (TWA) (ppm): 100ppm
USA NIOSH	NIOSH REL (STEL) (mg/m3): 560mg/m3
USA NIOSH	NIOSH REL (STEL) (ppm): 150ppm US
USA IDLH	IDLH (ppm): S00ppm
USA OSHA	OSHA PEL (TWA) (ppm): 200ppm
USA OSHA	OSHA PEL (Ceiling) (ppm): 300ppm

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless		
Physical State:	Gas	**Odor:**	Amine
Odor Threshold:	N/A	**Solubility:**	N/A
Density:	9.1 (water=1)	**Freezing or Melting Point:**	N/A
Viscosity:	N/ A	**Flash Point:**	N/A
Boiling Point:	61.7 °C (143 °F)	**Vapor Density:**	> 1 (Heavier than air)
Partition Coefficient:	N/A	**Autoignition Temperature:**	N/A
Vapor Pressure:	117.74 hPa	**Upper Flammability Limit and Lower Flammability Limit:**	N/A
Potentia Hydrogenii:	N/A		
Evaporation Rate:	< 1		
Decompression Temperature:	N/A		

Other Information -
Gas Group: Liquiefied gas

10 STABILITY AND REACTIVITY

Reactivity:	Contains gas under pressure; may explode if heated. Reacts with oxidants causing fire and explosion hazard.
Chemical Stability:	Stable under recommended handling and storage conditions (see section 7).
Conditions to Avoldentification:	Direct sunlight. Extremely high or low temperatures. Open flame. Heat. Sparks.
Materials to Avoldentification:	Heat. Strong oxidizers.
Hazardous Decomposition:	Carbon Oxides (CO, CO2).
Hazardous Polymerization:	Hazardous polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

Propane cas#:(74-98-6) [55.9844%]

Information on Toxicological Effects
Acute Toxicity: No data available
Inhalation: No data available
Dermal: No data available
Skin Corrosion/Irritation: No data available
Serious Eye Damage/Eye Irritation: No data available
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available

Carcinogenicity -
IARC:No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP:No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No data available
Specific Target Organ Toxicity - Single Exposure: No data available
Specific Target Organ Toxicity- Repeated Exposure: No data available
Aspiration Hazard: No data available

Additional Information:
RTECS:TX2275000\
Dizziness, Drowsiness, Unconsciousness

Butane cas#:(106-97-8) [41.0156%]

Information on Toxicological Effects
Acute Toxicity -
Oral LD50 no data available
Inhalation LC50 LC50 Inhalation - rat - 4 h - 658,000 mg/m3
Dermal LD50

Skin Corrosion/Irritation: No data available
Serious Eye Damage/Eye Irritation: No data available
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available

Carcinogenicity -
IARC:No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP:No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No data available
Teratogenicity: No data available
Specific Target Organ Toxicity- Single Exposure (Globally Harmonized System): No data available
Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System): No data available
Aspiration Hazard: No data available
Potential Health Effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation.
Eyes: May cause eye irritation.
Signs and Symptoms of Exposure: Central nervous system depression, giddiness, Shortness of breath, narcosis, Dermal contact with rapidly evaporating liquid could result in freezing of the tissues or frostbite., Exposure can cause numbness, tingling, and weakness in extremities., Cyanosis, Pulmonary edema. Effects may be delayed., Abdominal pain, Nausea, Vomiting
Synergistic Effects: No data available

Additional Information: RTECS: EJ4200000

Ethyl alcohol cas#:(64-17-5) [2.9999%]

Information on Toxicological Effects
Acute toxicity -
LDS0 Oral - rat - 7,060 mg/kg Remarks: Lungs, Thorax, or Respiration:Other changes.
LCS0 Inhalation - rat - 10 h - 20000 ppm
Dermal: no data available

Skin Corrosion/Irritation: Skin - rabbit Result: No skin irritation - 24 h (OECD Test Guideline 404)
Serious Eye Damage/Eye Irritation: Eyes - rabbit Result: Mild eye irritation - 24 h (OECD Test Guideline 405)
Respiratory or Skin Sensitization: No data available
Germ Cell Mutagenicity: No data available

Carcinogenicity -
Carcinogenicity - mouse - Oral:
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Liver:Tumors. Blood:Lymphomas including Hodgkins disease.
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No data available
Reproductive Toxicity - Human - Female - Oral -
Effects on Newborn: Apgar score (human only). Effects on Newborn: Other neonatal measures or effects. Effects on Newborn: Drug dependence.

Specific Target Organ Toxicity - Single Exposure: No data available
Specific Target Organ Toxicity - Repeated Exposure: No data available
Aspiration Hazard: No data available

Additional Information:
RTECS: KQ6300000

Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Stomach - Irregularities - Based on Human Evidence

Toluene cas#:(108-88-3) [0.0001%]

Information on Toxicological Effects

IARC group: 3
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Asphyxiant gas.
Symptoms/Injuries After Skin Contact: May cause frostbite. May cause skin irritation.
Symptoms/Injuries After Eye Contact: Contact wiht the liquefied gas causes frostbite.
Symptoms/Injuries After Ingestion: Ingestion is an unlikely route of exposure for a gas.

12 ECOLOGICAL INFORMATION

Propane cas#:(74-98-6) [55.9844%]

Information on Ecological Effects
Toxicity: No data available
Persistence and Degradability: No data available
Bioaccumulative Potential: No data available
Mobility in Soil: No data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other Adverse Effects: No data available

Butane cas#:(106-97-8) [41.0156%]

Information on Ecological Effects
Toxicity: No data available
Persistence and Degradability: No data available
Bioaccumulative Potential: No data available
Mobility in Soil: No data available

PBT and vPvB Assessment: No data available
Other Adverse Effects: No data available

Ethyl alcohol cas#:(64-17-5) [2.9999%]

Information on Ecological Effects
Toxicity: No data available
Persistence and Degradability: No data available
Bioaccumulative Potential: No data available
Mobility in Soil: No data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other Adverse Effects: No data available

Toluene cas#:(108-88-3) [0.0001%]

Information on Ecological Effects
General Ecological Toxicity -
LC50 Fish 1: 15.22 - 19.05 mg/l (Exposure time: 96h - Species: Pimphales promelas [flow-through])
EC50 Daphnia 1: 5.46 - 9.83 mg/l (Exposure time: 48h - Species: Daphnia magna [Static])
EC50 Other Auqtic Organisms 1: > 433 mg/l (Exposure time 96h - Species Pimephales promelas [Static])
LC50 Fish 2: 12.6 mg/l (Exposure time 96h - Species: Pimephales promelas [Static])
EC50 Daphnia 2: 11.5 mg/l (Exposure time: 48h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 2: 12.5 mg/l (Exposure time: 72h - Species: Pseudokirchneriella subcapitata [Static])
Bioaccumulative Potential - Log Pow: 2.65
Persistence and Degradability: No additional information available
Mobility in Soil: No additional information available

Other Adverse Effects: No additional information available

13 DISPOSAL CONSIDERATIONS

Propane cas#:(74-98-6) [55.9844%]

Waste Treatment Methods
Product: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated Packaging: Dispose of as unused product.

Butane cas#:(106-97-8) [41.0156%]

Waste Treatment Methods
Product: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated Packaging: Dispose of as unused product.

Ethyl alcohol cas#:(64-17-5) [2.9999%]

Waste Treatment Methods
Product: Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated Packaging: Dispose of as unused product.

Toluene cas#(108-88-3)

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

Additional Information: Empty product containers may contain hazardous residue. Do not reuse empty containers without commercial cleaning or reconditioning.

14 TRANSPORT INFORMATION

14.1. In Accordance with DOT
Proper Shipping Name: Consumer commodity
DOT Symbols: D - Proper shipping name for domestic use only
14.2. In Accordance with IMDG
Proper Shipping Name: PETROLEUM GASES, LIQUIEFIED
Hazard Class: 2.1
Identification Number: UN1075
Label Codes: 2.1
EmS-No. (Fire): F-D
EmS-No. (Spillage): S-U
Marine Pollutant: No
14.3. In Accordance with IATA
Proper Shipping Name: PETROLEUM GASES, LIQUIEFIED
Identification Number: UN1075
Hazard Class: 2
Label Codes: 2.1
ERG Code (IATA): 10L
Marine Pollutant: No

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[55.9844%] Propane (74-98-6) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

(41.0156%] Butane (106-97-8) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

[2.9999%] Ethyl alcohol (64-17-5) MASS, OSHAWAC, PA, TSCA, TXAIR

[0.001%] RQ(l000LBS), Toluene (108-88-3) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

Enviro-Safe ProSeal

WARNING This product can expose you to chemicals including Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Regulatory Code Legend

RQ= Reportable Quantity
MASS= MA Massachusetts Hazardous Substances List
NJHS= NJ Right-to-Know Hazardous Substances
OSHAWAC= OSHA Workplace Air Contaminants
PA= PA Right-To-Know List of Hazardous Substances
TSCA= Toxic Substances Control Act
TXAIR= TX Air Contaminants with Health Effects Screening Level
CERCLA= Superfund clean up substance
CSWHS= Clean Water Act Hazardous substances
EPCRAWPC= EPCRA Water Priority Chemicals
HAP= Hazardous Air Pollutants
PRIPOL= Clean Water Act Priority Pollutants
PROP65= CA Prop 65
SARA313= SARA 313 Title Ill Toxic Chemicals
TOXICPOL= Clean Water Act Toxic Pollutants
TOXICRCRA= RCRA Toxic Hazardous Wastes (U-List)
TXHWL= TX Hazardous Waste List

16 OTHER INFORMATION

GHS Full Text Phrases:

Acute Tox. 4 (Oral): Acute toxicity (oral) Category 4
Aquatic Acute 2: Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3: Hazardous to the aquatic environment - Acute Hazard Category 3
Asp. Tox. 1: Aspiration hazard Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation Category 2A
Flam. Gas 1: Flammable gases Category 1
Flam. Liq. 2: Flammable liquids Category 2
Liquefied gas: Gases under pressure Liquefied gas
Repr. 2: Reproductive toxicity Category 2
Simple Asphy: Simple Asphyxiant
Skin Irrit. 2: Skin corrosion/irritation Category 2
STOT RE 2: Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3: Specific target organ toxicity (single exposure) Category 3
H220: Extremely flammable gas
H225: Highly flammable liquid and vapor
H280: Contains gas under pressure; may explode if heated
H302: Harmful if swallowed
H304: May be fatal if swallowed and enters airways
H315: Causes skin irritation
H319: Causes serious eye irritation
H336: May cause drowsiness or dizziness
H361: Suspected of damaging fertility or the unborn child
H373: May cause damage to organs through prolonged or repeated exposure
H401: Toxic to aquatic life
H402: Harmful to aquatic life

Revision Date: 01/13/2020
Disclaimer: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).