



PEGATANKE PVC-CPVC

Date of compilation: 1/10/2020 Revised: 1/15/2024 Version: 2 (Replaced 1)

SECTION 1: IDENTIFICATION

1.1 GHS Product identifier:

PEGATANKE PVC-CPVC

Other means of identification:

Not applicable (N/A)

1.2 Recommended use of the chemical and restrictions on use:

Relevant uses: Adhesive for rigid PVC

Uses advised against: All uses not specified in this section or in section 7.3

1.3 Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

PTKDELECUADOR S.A.

Av. 113, Calle Oliva Miranda y Calle 48, Multibodegas, Ofic. 6 y 7, Barrio Centenario

130204 Manta - Manabi - Ecuador

Phone: +593 5 2922174

info@pegatanke.com

https://pegatanke.com

1.4 Emergency phone number: Poison Help USA 1-800-222-1222.

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture:

NFPA:

Health Hazards: 3

Flammability Hazards: 2

Instability Hazards: 0

Special Hazards: Not applicable (N/A)

HMIS®:

Health: 0

Flammability: 0

Physical Hazard: 0

Personal Protection:

29 CFR 1910.1200:

Classification of this product has been carried out in accordance with paragraph (d) of § 1910.1200.

Acute Tox. 4: Acute inhalation toxicity, Category 4, H332

Acute Tox. 4: Acute toxicity if swallowed, Category 4, H302

Aquatic Acute 3: Hazardous to the aquatic environment, acute hazard, Category 3, H402

Carc. 2: Carcinogenicity, Category 2, H351

Eye Irrit. 2A: Eye irritation, Category 2A, H319

Flam. Liq. 3: Flammable liquids, Category 3, H226

2.2 Label elements:

NFPA:



HMIS®:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

29 CFR 1910.1200:

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SECTION 2: HAZARD(S) IDENTIFICATION (continued)

Warning



Hazard statements:

Acute Tox. 4: H332 - Harmful if inhaled.
Acute Tox. 4: H302 - Harmful if swallowed.
Aquatic Acute 3: H402 - Harmful to aquatic life.
Carc. 2: H351 - Suspected of causing cancer.
Eye Irrit. 2A: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P304 + P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

Additional labeling:



WARNING

Federal Hazardous Substances Act (FHSA) >> Chronic toxicity (Carcinogens)
May cause cancer. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep out of reach of children. Store locked up.

FIRST AID TREATMENT

IF exposed or concerned: Get medical advice/attention.

Contains .

This product can expose you to chemicals including tetrahydrofuran, which is [are] known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Federal Hazardous Substances Act (FHSA) >> Toxic (Inhalation)

Harmful if inhaled. Do not breathe fumes. Keep out of reach of children. Use only in a well-ventilated area.

FIRST AID TREATMENT

If swallowed, call a Poison Control Centre or doctor immediately. If breathed in, move person into fresh air.

Contains .

Federal Hazardous Substances Act (FHSA) >> Irritant (Eyes)

May irritate eyes. Do not get in eyes. Keep out of reach of children.

FIRST AID TREATMENT

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do and continue rinsing. If eye irritation persists: Get medical advice/attention.

Contains .

Federal Hazardous Substances Act (FHSA) >> Combustible.

Combustible. Keep away from flames or sparks.

2.3 Hazards not otherwise classified (HNOC):

Not applicable (N/A)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances:

Non-applicable

3.2 Mixtures:

Chemical description: Mixture composed of aggregates and resins in solvents

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

Components:

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

Identification	Chemical name	Concentration
CAS: 108-94-1	Cyclohexanone	50 - <75 %
CAS: 109-99-9	tetrahydrofuran	5 - <15 %

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

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary measures:

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

By inhalation:

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

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters, ...), seek medical advice with this Safety Data Sheet

By eye contact:

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

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. In the case of loss of consciousness do not administrate anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.

4.2 Most important symptoms/effects, acute and delayed:

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

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

Not applicable (N/A)

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Specific hazards arising from the chemical:

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

5.3 Special protective equipment and precautions for fire-fighters:

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

Additional provisions:

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SECTION 5: FIRE-FIGHTING MEASURES (continued)

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

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures:****For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and materials for containment and cleaning up:

For accidental releases in excess of reportable quantities (RQ) (Table 302.4), refer to 40 CFR 302 for detailed instructions concerning reporting requirements and notify the National Response Center (800) 424-8802.

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

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling:****A.- General precautions for safe use**

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

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

Because the product is a flammable liquid, storage should meet the requirement of 29 CFR 1910.106, Flammable and Combustible Liquids Code. Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks, ...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems and with the minimum requirements for protecting the security and health of workers. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

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

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:**A.- Technical measures for storage**

NFPA 30: II

B.- General conditions for storage

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

7.3 Specific end use(s):

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

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

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

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000):

Identification	Occupational exposure limits	
	8-hour TWA PEL	Ceiling Values - TWA PEL
Cyclohexanone ⁽¹⁾ CAS: 108-94-1	50 ppm	200 mg/m ³
tetrahydrofuran ⁽¹⁾ CAS: 109-99-9	200 ppm	590 mg/m ³

US. ACGIH Threshold Limit Values (2022):

Identification	Occupational exposure limits	
	TLV-TWA	TLV-STEL
Cyclohexanone ⁽¹⁾ CAS: 108-94-1	20 ppm	50 ppm
tetrahydrofuran ⁽¹⁾ CAS: 109-99-9	50 ppm	100 ppm

CALIFORNIA- TABLE AC-1 PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS:

Identification	Occupational exposure limits	
	PEL	STEL
Cyclohexanone ⁽¹⁾ CAS: 108-94-1	25 ppm	100 mg/m ³
tetrahydrofuran ⁽¹⁾ CAS: 109-99-9	200 ppm	590 mg/m ³

⁽¹⁾ Likely absorption through the skin

Biological limit values:

Biological Exposure Indices (BEIs®) - ACGIH

Identification	BEIs®	Determinant	Sampling Time
Cyclohexanone CAS: 108-94-1	8 mg/L	Cyclohexanol in urine	End of shift
tetrahydrofuran CAS: 109-99-9	2 mg/L	Tetrahydrofuran in urine	End of shift

8.2 Appropriate engineering controls:

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

As a preventative measure it is recommended to use basic Personal Protection Equipment. For more information on Personal Protection Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation, the information on clothing performance must be combined with professional judgment, and a clear understanding of the clothing application, to provide the best protection to the worker. All chemical protective clothing use must be based on a hazard assessment to determine the risks for exposure to chemicals and other hazards. Conduct hazard assessments in accordance with 29 CFR 1910.132.

B.- Respiratory protection

Pictogram	PPE	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR)

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. Use gloves in accordance with manufacturer's use limitations and OSHA standard 1910.138 (29CFR)

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


D.- Eye and face protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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

E.- Bodily protection

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

F.- Additional emergency measures

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

Environmental exposure controls:

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

40 CFR Part 59 (VOC):

V.O.C.(weight-percent):	60 % weight
V.O.C. at 73.4 °F:	606.3 kg/m ³ (606.3 g/L)

California Air Resources Board (CARB) - VOC Regulatory:

V.O.C.(weight-percent):	60 % weight
V.O.C. at 73.4 °F:	606.3 kg/m ³ (606.3 g/L)

South Coast Air Quality Management District (AQMD) - VOC Regulatory:

V.O.C.(weight-percent):	60 % weight
V.O.C. at 73.4 °F:	606.3 kg/m ³ (606.3 g/L)

Ozone Transport Commission (OTC) Rules - VOC Regulatory:

V.O.C.(weight-percent):	60 % weight
V.O.C. at 73.4 °F:	606.3 kg/m ³ (606.3 g/L)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Physical state at 68 °F:	Liquid
Appearance:	Viscous
Color:	 Green
Odor:	Characteristic
Odour threshold:	Not applicable (N/A) *

*Not applicable (N/A) due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Volatility:

Boiling point at atmospheric pressure:	313 °F
Vapour pressure at 73.4 °F:	4750 Pa
Vapour pressure at 122 °F:	Not applicable (N/A) *
Evaporation rate at 73.4 °F:	Not applicable (N/A) *

Product description:

Density at 73.4 °F:	987 - 1033 kg/m ³
Relative density at 73.4 °F:	1.087
Dynamic viscosity at 73.4 °F:	2100 cP
Kinematic viscosity at 73.4 °F:	Not applicable (N/A) *
Kinematic viscosity at 104 °F:	>20.5 mm ² /s
Concentration:	Not applicable (N/A) *
pH:	3 - 4 (at 65 %)
Vapour density at 73.4 °F:	Not applicable (N/A) *
Partition coefficient n-octanol/water 73.4 °F:	Not applicable (N/A) *
Solubility in water at 73.4 °F:	Not applicable (N/A) *
Solubility properties:	Insoluble in water
Decomposition temperature:	Not applicable (N/A) *
Melting point/freezing point:	Not applicable (N/A) *

Flammability:

Flash Point:	111 °F
Flammability (solid, gas):	Not applicable (N/A) *
Autoignition temperature:	610 °F
Lower flammability limit:	Not available
Upper flammability limit:	Not available

Particle characteristics:

Median equivalent diameter:	Non-applicable
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9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties:	Not applicable (N/A) *
Oxidising properties:	Not applicable (N/A) *
Corrosive to metals:	Not applicable (N/A) *
Heat of combustion:	Not applicable (N/A) *
Aerosols-total percentage (by mass) of flammable components:	Not applicable (N/A) *

Other safety characteristics:

Surface tension at 73.4 °F:	Not applicable (N/A) *
Refraction index:	Not applicable (N/A) *

*Not applicable (N/A) due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

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

10.2 Chemical stability:

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

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SECTION 10: STABILITY AND REACTIVITY (continued)

10.3 Possibility of hazardous reactions:

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

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

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

10.5 Incompatible materials:

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

10.6 Hazardous decomposition products:

Contains substances which require external energy for spontaneous decomposition. Form explosive peroxides when distilled, evaporated or otherwise concentrated.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

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

Dangerous health implications:

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

A- Ingestion (acute effect):

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

B- Inhalation (acute effect):

- Acute toxicity : Exposure in high concentration can cause a breakdown in the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

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

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

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

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2. IARC: tetrahydrofuran (2B); Polyvinyl chloride (3); Cyclohexanone (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

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

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

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

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

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

Other information:

Not applicable (N/A)

Specific toxicology information on the substances:

Identification		Acute toxicity		Genus
tetrahydrofuran CAS: 109-99-9	LD50 oral	>5000 mg/kg		
	LD50 dermal	>5000 mg/kg		
	LC50 inhalation	>20 mg/L		
Cyclohexanone CAS: 108-94-1	LD50 oral	2650 mg/kg		Rat
	LD50 dermal	3160 mg/kg		Rabbit
	LC50 inhalation	11 mg/L (ATEi)		

SECTION 12: ECOLOGICAL INFORMATION

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

Harmful to aquatic life.

12.1 Ecotoxicity (aquatic and terrestrial, where available):

Acute toxicity:

Identification		Concentration	Species	Genus
Cyclohexanone CAS: 108-94-1	LC50	527 mg/L (96 h)	Pimephales promelas	Fish
	EC50	800 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	370 mg/L (192 h)	Scenedesmus quadricauda	Algae
tetrahydrofuran CAS: 109-99-9	LC50	2160 mg/L (96 h)	Pimephales promelas	Fish
	EC50	3485 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	Not applicable (N/A)		

12.2 Persistence and degradability:

Substance-specific information:

Identification		Degradability		Biodegradability	
Cyclohexanone CAS: 108-94-1	BOD5	Not applicable (N/A)	Concentration	100 mg/L	
	COD	Not applicable (N/A)	Period	14 days	
	BOD5/COD	Not applicable (N/A)	% Biodegradable	87 %	
tetrahydrofuran CAS: 109-99-9	BOD5	Not applicable (N/A)	Concentration	100 mg/L	
	COD	Not applicable (N/A)	Period	14 days	
	BOD5/COD	Not applicable (N/A)	% Biodegradable	100 %	

12.3 Bioaccumulative potential:

Substance-specific information:

Identification		Bioaccumulation potential	
Cyclohexanone CAS: 108-94-1	BCF	2	
	Pow Log	0.81	
	Potential	Low	
tetrahydrofuran CAS: 109-99-9	BCF	3	
	Pow Log	0.46	
	Potential	Low	

12.4 Mobility in soil:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption			Volatility
Cyclohexanone CAS: 108-94-1	Koc	17	Henry	9.119E-1 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	3.437E-2 N/m (77 °F)	Moist soil	Yes
tetrahydrofuran CAS: 109-99-9	Koc	23	Henry	7.19 Pa·m ³ /mol
	Conclusion	Very High	Dry soil	Yes
	Surface tension	2.498E-2 N/m (77 °F)	Moist soil	Yes

Insoluble in water

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

The next characteristic per RCRA could apply to the unused product if it becomes a waste material: Ignitability. The next EPA hazardous waste number could apply: D001.

Wastes generated by normal household activities (e.g., routine house and yard maintenance) are excluded from the definition of hazardous waste (Title 40 of the Code of Federal Regulations Part 261.4)

Waste management (disposal and evaluation):

Follow RCRA framework and EPA regulation for to ensure that hazardous waste is managed safely and properly. Waste should not be disposed of to drains. Remind, it is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristics or listing. See section 6 for further information about Accidental release measures.

Regulations related to waste management:

Legislation related to waste management:

40 CFR Solid Wastes - Part 239 through 282.

State regulatory requirements for generators may be more stringent than those in the federal program. Be sure to check the state 's policies.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

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



14.1 UN number: UN1133

14.2 UN proper shipping name: ADHESIVES

14.3 Transport hazard class(es): 3

Labels: 3

14.4 Packing group, if applicable: III

14.5 Marine pollutant: No

14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises

Physico-Chemical properties: see section 9

Limited quantities: 5 L

49 CFR 173.150: A flammable liquid with a flash point at or above 38 °C (100 °F) that does not meet the definition of any other hazard class may be reclassified as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is impracticable. It can be shipped as a non-hazardous material if the container is under 120 gallons.

14.7 Transport in bulk (according to Not applicable (N/A)

Annex II of MARPOL 73/78 and the IBC Code):

Transport of dangerous goods by sea:

With regard to IMDG 41-22:

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Date of compilation: 1/10/2020 Revised: 1/15/2024 Version: 2 (Replaced 1)

SECTION 14: TRANSPORT INFORMATION (continued)



14.1 UN number:	UN1133
14.2 UN proper shipping name:	ADHESIVES
14.3 Transport hazard class(es):	3
Labels:	3
14.4 Packing group, if applicable:	III
14.5 Marine pollutant:	No
14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises	
Special regulations:	955, 223
EmS Codes:	F-E, S-D
Physico-Chemical properties:	see section 9
Limited quantities:	5 L
Segregation group:	Not applicable (N/A)
14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	Not applicable (N/A)

Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:



14.1 UN number:	UN1133
14.2 UN proper shipping name:	ADHESIVES
14.3 Transport hazard class(es):	3
Labels:	3
14.4 Packing group, if applicable:	III
14.5 Marine pollutant:	No
14.6 Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises	
Physico-Chemical properties:	see section 9
14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	Not applicable (N/A)

SECTION 15: REGULATORY INFORMATION

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

- CALIFORNIA LABOR CODE - The Hazardous Substances List: *Cyclohexanone (108-94-1)* ; *tetrahydrofuran (109-99-9)*
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Birth defects or other reproductive harm: Not applicable (N/A)
- California Proposition 65 (the Safe Drinking Water and Toxic Enforcement Act of 1986) - Cancer: *tetrahydrofuran (109-99-9)*
- CANADA-Domestic Substances List (DSL): *Cyclohexanone (108-94-1)* ; *tetrahydrofuran (109-99-9)*
- CANADA-Non-Domestic Substances List (NDSL): Not applicable (N/A)
- Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantities: *Cyclohexanone (108-94-1)* - U057 ; *tetrahydrofuran (109-99-9)* - U213
- Hazardous Air Pollutants (Clean Air Act): Not applicable (N/A)
- Massachusetts RTK - Substance List: *Cyclohexanone (108-94-1)* ; *tetrahydrofuran (109-99-9)*
- Minnesota - Hazardous substances ERTK: *Cyclohexanone (108-94-1)* ; *tetrahydrofuran (109-99-9)*
- New Jersey Worker and Community Right-to-Know Act: *Cyclohexanone (108-94-1)* ; *tetrahydrofuran (109-99-9)*
- New York RTK - Substance list: *Cyclohexanone (108-94-1)* ; *tetrahydrofuran (109-99-9)*
- NTP (National Toxicology Program): Not applicable (N/A)
- OSHA Specifically Regulated Substances (29 CFR 1910.1001-1096): Not applicable (N/A)
- Pennsylvania Worker and Community Right-to-Know Law: *Cyclohexanone (108-94-1)* ; *tetrahydrofuran (109-99-9)*
- Rhode Island - Hazardous substances RTK: *Cyclohexanone (108-94-1)* ; *tetrahydrofuran (109-99-9)*
- The Toxic Substances Control Act (TSCA) : *Cyclohexanone (108-94-1)* ; *tetrahydrofuran (109-99-9)*
- Toxic chemical release reporting under EPCRA section 313 (40 CFR Part 372): Not applicable (N/A)

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information provided in this safety data sheet as a foundation for conducting workplace-specific risk assessments. These assessments will help establish the appropriate risk prevention measures for handling, using, storing, and disposing of this product.

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SECTION 15: REGULATORY INFORMATION (continued)**Other legislation:**

Take into consideration other applicable federal, state, and local laws and local regulations.

SECTION 16: OTHER INFORMATION**Legislation related to safety data sheets:**

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

Texts of the legislative phrases mentioned in section 2:

H226: Flammable liquid and vapour.

H332: Harmful if inhaled.

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

H351: Suspected of causing cancer.

H402: Harmful to aquatic life.

Advice related to training:

According to 29 CFR 1910.1200, training on chemical hazards is necessary for employees using this product. This training will facilitate their understanding and interpretation of the safety data sheet, as well as the product label.

Principal bibliographical sources:

Occupational Safety & Health Administration (OSHA).

Abbreviations and acronyms:

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

CL50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

IARC: International Agency for Research on Cancer

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END OF SAFETY DATA SHEET