

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : PetroBlast

1.2. Recommended use and restrictions on use

Use of the substance/mixture : External surface cleaning

1.3. Supplier

BioChem Systems, Inc.
480 Wildwood Forest Drive
Suite 400
Spring, TX 77380
1 (800) 777-7870

1.4. Emergency telephone number

Emergency number : (800) 633-8253

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable liquids, Category 3	H226	Flammable liquid and vapour.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness.
Aspiration hazard, Category 1	H304	May be fatal if swallowed and enters airways.
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411	Toxic to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H226 - Flammable liquid and vapor.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS US) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment.
P241 - Use explosion-proof electrical, lighting, ventilating equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear eye protection, face protection, protective clothing, protective gloves..
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor
P302+P352 - If on skin: Wash with plenty of soap and water.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove person to fresh air and keep 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
P310 - Immediately call poison center/doctor/...
P312 - Call a poison center or doctor if you feel unwell.
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use Carbon dioxide (CO₂), dry extinguishing powder, dry sand, dry chemical to extinguish.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier (CAS No.)	Concentration (Wt. %*)
Natural Terpenes	Proprietary	*
Additive Package	Proprietary	*

*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.
- First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.
- First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention immediately. Continue rinsing.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause drowsiness or dizziness.
- Symptoms/effects after inhalation : May cause drowsiness or dizziness.
- Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction.
- Symptoms/effects after eye contact : Causes serious eye damage.
- Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.
- Chronic symptoms : May cause an allergic skin reaction.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand. Halons.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

- Fire hazard : Flammable liquid and vapor.
- Explosion hazard : No data available.
- Reactivity : The substance is stable under normal storage and handling conditions.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Eliminate all ignition sources if safe to do so. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Guard against spontaneous combustion of improperly discarded oily rags.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Keep unnecessary personnel away. Eliminate ignition sources. Avoid contact with skin or inhalation of spillage, dust or vapor. Ventilate closed spaces before entering them. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust, mist or spray.

6.1.1. For non-emergency personnel

Evacuate unnecessary personnel.

6.1.2. For emergency responders

Stop leak if safe to do so. Ventilate area. Keep upwind. Keep away from combustible material. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment. Do not allow to enter drains or water courses.

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6.3. Methods and material for containment and cleaning up

- For containment : Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak without risks if possible. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.
- Methods for cleaning up : Collect spillage. Contain and collect spillages with non-combustible absorbent materials, e.g. Clean, preferably with a detergent. Do not use solvents. Do not allow into drains or water courses. Notify authorities if product enters sewers or public waters.

6.4. Reference to other sections

See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Use only non-sparking tools. Wear Protective equipment as described in Section 8.
- Hygiene measures : Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

7.2. 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 equipment.
- Storage conditions : Store in glass, stainless steel, plastic or epoxy lined receptacles. Store in a well-ventilated place. Store at temperatures not exceeding 130 F. Keep container tightly closed. Protect from physical damage. Do not store in plastics incompatible with product. Store locked up.
- Incompatible products : Oxidizing agent. Strong acids.
- Incompatible materials : Sources of ignition. Heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Natural Terpenes		
ACGIH	Remark (ACGIH)	OELs not established
OSHA	Remark (OSHA)	OELs not established
Additive package		
ACGIH	Remark (ACGIH)	OELs not established
OSHA	Remark (OSHA)	OELs not established

8.2. Appropriate engineering controls

- Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Safety glasses. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.

Materials for protective clothing:

Wear suitable protective clothing, gloves and eye/face protection

Hand protection:

Change contaminated gloves immediately. Use gloves chemically resistant to this material when prolonged or repeated contact could occur.

Gloves should be classified and selected according to regional or national standards. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate PVC, or vinyl. Suitable gloves should be recommended by the glove supplier.

Eye protection:

Protective safety glasses recommended. 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 or dusts.

Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection:

In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Clear, yellow liquid
- Color : Yellow
- Odor : Pine
- Odor threshold : No data available
- pH : No data available

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pH solution	: Neutral (10% solution with water)
Melting point	: Liquid @ 25 °C
Freezing point	: No data available
Boiling point	: 334 °F (167.78 °C)
Flash point	: 108 °F (42.2 °C) (PMCC)
Relative evaporation rate (butylacetate=1)	: < 1 (H2O=1)
Flammability (solid, gas)	: No data available
Vapor pressure	: < 2 mm Hg (Primary Constituent)
Relative vapor density at 20°C	: > 1 (air=1)
Relative density	: 0.838 (25 °C) (H2O=1)
Solubility	: Dispersible in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: < 20.5 mm²/s
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The substance is stable under normal storage and handling conditions.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Excessive heat. Open flame.

10.5. Incompatible materials

Strong oxidizing agents. Acids.

10.6. Hazardous decomposition products

High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Natural Terpenes

LD50 oral rat	> 2000 mg/kg Source: KOSHAMSDS
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)
LD50 dermal rabbit	2000 mg/kg Source: KOSHAMSDS

Additive Package

LD50 oral rat	2100 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified

Natural Terpenes

NOAEL (oral, rat, 90 days)	435.8 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
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Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: < 20.5 mm²/s
Symptoms/effects	: May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways.
Chronic symptoms	: May cause an allergic skin reaction.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Toxic to aquatic life with long lasting effects.

Natural Terpenes

LC50 - Fish [1]	5.07 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	2.1 mg/l Test organisms (species): Daphnia magna

12.2. Persistence and degradability

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Persistence and degradability : Not established.

12.3. Bioaccumulative potential

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Bioaccumulative potential : Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities.
No discharge to surface waters is allowed without a permit.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Unused portions of this product must be disposed of as ignitable waste.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description (DOT) : UN2319 Terpene hydrocarbons, n.o.s., 3, III
UN-No. (DOT) : UN2319
Proper Shipping Name (DOT) : Terpene hydrocarbons, n.o.s.
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT) : III - Minor Danger
Hazard labels (DOT) : 3 - Flammable liquid
Dangerous for the environment : Yes
Marine pollutant : Yes
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L
DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number : 128
Other information : Non-Bulk Domestic Ground: This material is not regulated for domestic ground shipments by the U.S. Department of Transportation (DOT) when transported in non-bulk (a packaging which has a maximum capacity of 119 gallons or less as a receptacle for a liquid). Reference 49 CFR 173.120(b) (2) and 173.150 (f) (1). In summary, for non-bulk domestic ground shipments: DOT Class: Not Regulated Hazard Class: Not Applicable UN No.: Not Applicable



Transportation of Dangerous Goods

Transport document description (TDG) : UN2319 TERPENE HYDROCARBONS, N.O.S., 3, III
UN-No. (TDG) : UN2319
Proper Shipping Name (TDG) : TERPENE HYDROCARBONS, N.O.S.
TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids
Packing group (TDG) : III - Minor Danger
Explosive Limit and Limited Quantity Index : 5 L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 60 L

Transport by sea (IMDG)

Transport document description (IMDG) : UN 2319 TERPENE HYDROCARBONS, N.O.S., 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (32°C c.c.)
UN-No. (IMDG) : 2319
Proper Shipping Name (IMDG) : TERPENE HYDROCARBONS, N.O.S.
Class (IMDG) : 3 - Flammable liquids
Packing group (IMDG) : III - substances presenting low danger
Marine pollutant : Yes

Air transport (IATA)

Transport document description (IATA) : UN 2319 Terpene hydrocarbons, n.o.s., 3, III, ENVIRONMENTALLY HAZARDOUS

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UN-No. (IATA) : 2319
Proper Shipping Name (IATA) : Terpene hydrocarbons, n.o.s.
Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : III - Low danger

SECTION 15: Regulatory information

15.1. US Federal regulations

PetroBlast	
All chemical substances in this product are listed as "Active" in the EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule") of Feb. 2019, as amended Feb. 2021, or are otherwise exempt or regulated by other agencies such as FDA or FIFRA	
SARA Section 311/312 Hazard Classes	Physical hazard - Flammable (gases, aerosols, liquids, or solids) Health hazard - Aspiration hazard Health hazard - Serious eye damage or eye irritation Health hazard - Skin corrosion or Irritation Health hazard - Respiratory or skin sensitization

15.2. International regulations

No additional information available

15.3. US State regulations

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

SECTION 16: Other information

Other information : Author: EMA.
Revised by: Regulatory & Compliance
Date of Revision: March 25, 2025.

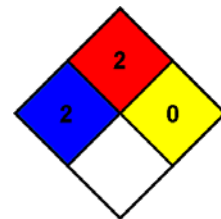
NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.

HMIS Hazard Rating
Health : 2
* - Chronic (long-term) health effects may result from repeated overexposure

Flammability : 2
Physical : 0



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.