SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : EverSolv 360™

Product form : Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance: Cleaning, decontamination of closed processing equipment

1.3. Details of the supplier of the safety data sheet

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: Hazards identification

2.1. Classification of the substance or mixture

GHS-CAN classification

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Eye Dam. 1	H318
Skin Sens. 1	H317
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

2.2. Label elements

GHS-CAN labelling

Hazard pictograms (GHS-CAN) :

GHS02 GHS07 GHS08

Signal word (GHS-CAN) : **Danger**

Hazard statements (GHS-CAN) :
H226 - Flammable liquid and vapour
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-CAN) :
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P233 - Keep container tightly closed
P240 - Ground/Bond container and receiving equipment
P241 - Use explosion-proof ventilating, lighting, electrical equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing vapours, spray, mist, gas
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 a POISON CENTER, a doctor
P312 - Call a POISON CENTER, a doctor if you feel unwell
P321 - Specific treatment (see first aid instructions on this label)
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 alcohol resistant foam, carbon dioxide (CO_2), dry extinguishing powder, dry sand, dry chemical to extinguish
P391 - Collect spillage
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
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
No additional information available
2.4. Unknown acute toxicity (GHS CAN)
No data available

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-CAN classification
Terpene hydrocarbons*	Proprietary*	60-100*	Flam. Liq 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp Tox. 1, H304 Aquatic Chronic 2, H411
Oxyalkylated alcohols*	Proprietary*	1-10*	Eye Dam. 1, H318 Skin Irrit. 2, H315

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret. Claim for Exemption HMIRA Registry Number 12213; filing date 2018 August 3.

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, both acute and delayed
Symptoms/effects : May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness.
Symptoms/effects after inhalation : May be fatal if swallowed and enters airways. 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.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

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

5.2. Special hazards arising from the substance or mixture
Fire hazard : Flammable liquid and vapour.
Explosion hazard : No data available.
Reactivity : The substance is stable under normal storage and handling conditions.

5.3. Advice for firefighters
Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Eliminate all ignition sources if safe to do so.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures : Eliminate all sources of ignition. Keep unnecessary personnel away. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

6.1.1. For non-emergency personnel
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders
Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

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

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 : Clean, preferably with a detergent. Do not use solvents.Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Stop leak without risks if possible. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Do not allow material to contaminate ground water system. Absorb in vermiculite, dry sand or earth and place into containers. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. This material and its container must be disposed of in a safe way, and as per local legislation. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene measures : Wash thoroughly after handling.

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 : Keep only in the original container in a cool, well ventilated place away from: Keep container tightly closed in a cool, dry, and well-ventilated place, Heat sources. Keep container tightly closed.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Provincial/Territorial OEL Values located within:

Alberta: Occupational Health and Safety Code, 2009
British Columbia: Occupational Health and Safety Regulation Guideline, 2016
Northwest Territories: Occupational Health and Safety Regulations, 2015
Nunavut: Consolidation of Occupational Health and Safety Regulations, 2016
Ontario: Occupational Health and Safety Act, Regulation 833
Quebec: Regulation Respecting Occupational Health and Safety, S-2.1, r. 13
Saskatchewan: The Occupational Safety and Health Regulations, 1996
Yukon: Occupational Health and Safety Act RSY 2002, c.159; amended by SY 2005, c.4; SY 2009, c.21; SY 2010, c.12
New Brunswick: ACGIH values (1997 version)
Manitoba; Newfoundland and Labrador; Nova Scotia; Prince Edward Island: ACGIH (current version)

Terpene hydrocarbons	
All Provinces	OELs not established
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

Oxyalkylated alcohols	
All Provinces	OELs not established

8.2. Exposure 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.

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

Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard regulation. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

Eye protection : 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. Protective safety glasses recommended.

Skin and body protection : Wear long sleeves, and PPE/coveralls to minimize bodily exposure.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear.

Color : Yellow.

Odor : Pine. Natural Terpene Odor.

Odor Threshold : No data available

pH	:	Neutral (10% solution with water)
Relative evaporation rate (butylacetate=1)	:	< 1 (H_2O=1)
Melting point	:	< -80 °C; Liquid at 25 °C
Freezing point	:	No data available
Boiling point	:	174 °C @101.3 kPa
Flash point	:	45 °C; 108 °F (PMCC)
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapour pressure	:	100 - 700 Pa @ 25 °C
Vapour pressure	:	< 2 mm Hg (Primary Constituent)
Vapour density	:	>1 (air=1)
Specific Gravity	:	0.838 at 25 °C (H2O=1)
Density	:	0.859 g/m³ at 20 ± 0.5 °C (relative)
Solubility	:	No data available
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity	:	< 20.5 cSt
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	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
No data available.

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 : Not classified

Oxyalkylated alcohols	
LD50 oral rat	2100 mg/kg
LD50 dermal rabbit	2 ml/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
Specific target organ toxicity (single exposure)	:	May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	:	May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.
Symptoms/effects after skin contact	:	Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	:	Direct contact with eyes is likely to be irritating.

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

12.2. Persistence and degradability

EverSolv 360™	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

EverSolv 360™	
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. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Additional information : Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 2319
UN-No. (IMDG) : 2319
UN-No. (IATA) : 2319
UN-No. (ADN) : 2319
UN-No. (RID) : 2319

14.2. UN proper shipping name

Proper Shipping Name (ADR) : TERPENE HYDROCARBONS, N.O.S.
Proper Shipping Name (IMDG) : TERPENE HYDROCARBONS, N.O.S.
Proper Shipping Name (IATA) : Terpene hydrocarbons, n.o.s.
Proper Shipping Name (ADN) : TERPENE HYDROCARBONS, N.O.S.
Proper Shipping Name (RID) : TERPENE HYDROCARBONS, N.O.S.
Transport document description (ADR) : UN 2319 TERPENE HYDROCARBONS, N.O.S. (Contains: Terpene hydrocarbons, n.o.s.(Dipentene)), 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS
Transport document description (IMDG) : UN 2319 TERPENE HYDROCARBONS, N.O.S. (Contains: Terpene hydrocarbons, n.o.s.(Dipentene)), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (32°C c.c.)
Transport document description (IATA) : UN 2319 Terpene hydrocarbons, n.o.s. (Contains: Terpene hydrocarbons, n.o.s.(Dipentene)), 3, III, ENVIRONMENTALLY HAZARDOUS
Transport document description (ADN) : UN 2319 TERPENE HYDROCARBONS, N.O.S. (Contains: Terpene hydrocarbons, n.o.s.(Dipentene)), 3, III, ENVIRONMENTALLY HAZARDOUS
Transport document description (RID) : UN 2319 TERPENE HYDROCARBONS, N.O.S. (Contains: Terpene hydrocarbons, n.o.s.(Dipentene)), 3, III, ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3
Danger labels (ADR) : 3

IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3

IATA

Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3

ADN

Transport hazard class(es) (ADN) : 3
Danger labels (ADN) : 3

RID

Transport hazard class(es) (RID) : 3
Danger labels (RID) : 3

14.4. Packing group

Packing group (ADR) : III
Packing group (IMDG) : III
Packing group (IATA) : III
Packing group (ADN) : III
Packing group (RID) : III

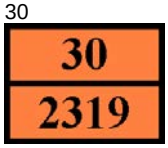
14.5. Environmental hazards

Dangerous for the environment : Yes
Marine pollutant : Yes
Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : F1
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1, TP29

Tank code (ADR)	:	LGBF
Vehicle for tank carriage	:	FL
Transport category (ADR)	:	3
Special provisions for carriage - Packages (ADR)	:	V12
Special provisions for carriage - Operation (ADR)	:	S2
Hazard identification number (Kemler No.)	:	30
Orange plates	:	
Tunnel restriction code (ADR)	:	D/E
EAC code	:	3Y
- Transport by sea		
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E1
Packing instructions (IMDG)	:	P001, LP01
IBC packing instructions (IMDG)	:	IBC03
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1, TP29
EmS-No. (Fire)	:	F-E
EmS-No. (Spillage)	:	S-D
Stowage category (IMDG)	:	A
Flash point (IMDG)	:	32°C to 49°C c.c.
Properties and observations (IMDG)	:	Colourless or yellowish liquids. Flashpoint: 32°C to 49°C c.c. Immiscible with water.
- Air transport		
PCA Excepted quantities (IATA)	:	E1
PCA Limited quantities (IATA)	:	Y344
PCA limited quantity max net quantity (IATA)	:	10L
PCA packing instructions (IATA)	:	355
PCA max net quantity (IATA)	:	60L
CAO packing instructions (IATA)	:	366
CAO max net quantity (IATA)	:	220L
ERG code (IATA)	:	3L
- Inland waterway transport		
Classification code (ADN)	:	F1
Limited quantities (ADN)	:	5 L
Excepted quantities (ADN)	:	E1
Equipment required (ADN)	:	PP, EX, A
Ventilation (ADN)	:	VE01
Number of blue cones/lights (ADN)	:	0
- Rail transport		
Classification code (RID)	:	F1
Limited quantities (RID)	:	5L
Excepted quantities (RID)	:	E1
Packing instructions (RID)	:	P001, IBC03, LP01, R001
Mixed packing provisions (RID)	:	MP19
Portable tank and bulk container instructions (RID)	:	T4
Portable tank and bulk container special provisions (RID)	:	TP1, TP29
Tank codes for RID tanks (RID)	:	LGBF
Transport category (RID)	:	3
Special provisions for carriage – Packages (RID)	:	W12
Colis express (express parcels) (RID)	:	CE4
Hazard identification number (RID)	:	30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Canada regulations

EverSolv 360™
All chemical substances in this product are listed on the Canadian Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or are exempt

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

EverSolv 360™	
One or more of the chemical substances in this product is not listed on the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory	
SARA Section 311/312 Hazard Classes	Health hazard - Skin corrosion or Irritation Health hazard - Aspiration hazard Health hazard - Respiratory or skin sensitization Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Serious eye damage or eye irritation Physical hazard - Flammable (gases, aerosols, liquids, or solids)

SECTION 16: Other information

Revision date : 03, November 2023
Other information : Revised by: Regulatory & Compliance
NFPA health hazard : 1 - Materials that are slightly hazardous.
NFPA fire hazard : 2 - Materials that must be preheated before ignition can occur.
NFPA reactivity : 0 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.

Hazard Rating
Health : 1
Flammability : 2
Physical : 0
Personal protection :

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