

## SECTION 1 – IDENTIFICATION

**NAME:** BOD-SOLV

**USE:** Emulsifier for laundry

**MANUFACTURER:** B.O.D. CHEMICALS INC.  
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**EMERGENCY PHONE:** 1 (877) 565-8540

## SECTION 2 – HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

**PHYSICAL HAZARDS:** Flammable liquids, category 4

**HEALTH HAZARDS:** Skin corrosion / Irritation, category 2  
Serious eye damage / Eye irritation, category 1  
Specific target organ toxicity - Single exposure, category 2B  
Aspiration hazard, category 1

**ENVIRONMENTAL HAZARDS:** Not available

### GHS LABEL ELEMENTS

**PICTOGRAM:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Combustible liquid.  
Causes skin irritation.  
Causes serious eye damage.  
May cause respiratory irritation.  
May be fatal if swallowed and enters airways.

### **PRECAUTIONARY STATEMENTS**

**PREVENTION:** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Avoid breathing vapours. Use only in a well-ventilated area.

**RESPONSE:** **In case of fire:** Use chemical powder, foam, carbon dioxide for extinction.  
**If on skin:** Wash with plenty of soap and water. Specific treatment (see supplemental first aid on the label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. **If in eyes:** Rinse immediately and cautiously with water for 15-20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician. **If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. **If swallowed:** Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting.

**STORAGE / DISPOSAL:** Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local regulations (see 13<sup>th</sup> section).

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Linear alcohol ethoxylate	068131-39-5	30 - 60

Petroleum distillate, hydrotreated light

064742-47-8

30 - 60

Ethylene glycol butyl ether

000111-76-2

7 - 13

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## SECTION 4 – FIRST AID MEASURES

<b>SKIN:</b>	Remove contaminated clothing. Rinse skin with water for at least 10 minutes/shower. Consult a physician if irritation persists.
<b>EYES:</b>	Rinse cautiously with water for 15-20 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>INGESTION:</b>	Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water. Do not give anything by mouth if victim is unconscious. Call a physician immediately.
<b>INHALATION:</b>	Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.
<b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:</b>	Inhalation: May cause lung inflammation or damage if enters lungs through vomiting or swallowing. Skin: Irritation, redness of the skin. Eyes: Causes serious eye damage. Symptoms may include burning, tingling, watery eyes, redness, swelling and blurred vision.
<b>TO PHYSICIAN:</b>	Treat symptoms.

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## SECTION 5 – FIRE-FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Water spray, carbon dioxide, chemical powder, foam.
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>SPECIFIC HAZARDS OF THE HAZARDOUS PRODUCT:</b>	The product is flammable. In case of fire, toxic fumes are emitted. The product does not burn itself but can decompose during heating to produce carbon monoxide and dioxide and toxic fumes. decompose upon heating to produce corrosive and/or toxic fumes. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Wear protective clothing and self-contained breathing apparatus if necessary.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</b>	Ventilate enclosed areas. Avoid contact of the product with eyes and skin. Do not breathe vapours. Wear gloves, safety goggles and respirator if needed. Prevent discharge in sewers. Keep away from incompatible materials.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:</b>	Wear protective clothing. Control spill to prevent runoff into sewers. Cover with inert absorbent material and recover in suitable containers. Sweep and rinse with water.

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## SECTION 7 – HANDLING AND STORAGE

<b>PRECAUTIONS FOR SAFE HANDLING:</b>	Avoid contact of the product with eyes and skin. Do not breathe vapours. No smoking. Use only with adequate ventilation. Wash hands thoroughly after handling.
<b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</b>	Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials. Ventilate enclosed areas.

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS	VALUE	REGULATION
Ethylene glycol monobutyl ether	111-76-2	VPEM – 97 ppm	RSST

**APPROPRIATE ENGINEERING CONTROL** Normal ventilation

**PERSONAL PROTECTIVE EQUIPMENT**



**SKIN:** Protective clothing. Impermeable gloves  
**EYES:** Safety goggles  
**RESPIRATORY:** If ventilation is inadequate, suitable respiratory protection must be worn.  
**HYGIENE MEASURES:** Wash hands after handling.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE / FORM:** Liquid  
**COLOR:** Colorless - light beige  
**ODOR:** Lemon  
**ODOR THRESHOLD:** Not available  
**pH:** Not available  
**MELTING POINT / FREEZING POINT (°C):** < 0  
**BOILING POINT (°C):** > 100  
**FLASH POINT (°C):** Not available  
**EVAPORATION RATE:** Not available  
**EXPLOSIVE LIMITS:** Not available  
**VAPOUR PRESSURE:** Not available  
**VAPOUR DENSITY:** Not available  
**DENSITY (kg/L):** 0.89 - 0.91  
**WATER SOLUBILITY:** Partial  
**PARTITION COEFFICIENT N-OCTANOL / WATER:** Not available  
**AUTOIGNITION TEMPERATURE (°C):** Not available  
**DECOMPOSITION TEMPERATURE (°C):** Not available

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**SECTION 10 – STABILITY AND REACTIVITY**

**REACTIVITY:** No dangerous reaction known under conditions of normal use.  
**STABLE:** Stable at normal ambient temperatures and when used as recommended.  
**HAZARDOUS REACTIONS:** Hazardous polymerisation does not occur.  
**CONDITIONS TO AVOID:** Contact with incompatible materials.  
**INCOMPATIBILITY:** High temperatures, sparks, flames, strong oxidizing agents.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

**INFORMATION ON LIKELY ROUTES OF EXPOSURE**

<b>SKIN:</b>	Causes skin irritation.
<b>EYES:</b>	Causes serious eye damage.
<b>INHALATION:</b>	May cause respiratory irritation.
<b>INGESTION:</b>	May be fatal if swallowed and enters airways.

**NUMERIC VALUES OF TOXICITY**

<b>ACUTE ORAL TOXICITY:</b>	LD50 (rat): 2491 mg/kg
<b>ACUTE DERMAL TOXICITY:</b>	Not available. No health effects expected (normal conditions of use).
<b>ACUTE INHALATION TOXICITY:</b>	Not available. No health effects expected (normal conditions of use).

**DELAYED AND IMMEDIATE EFFECTS**

<b>SKIN CORROSION / IRRITATION:</b>	Causes skin irritation.
<b>SERIOUS EYE DAMAGE / EYE IRRITATION:</b>	Causes serious eye damage.
<b>RESPIRATORY SENSITIZATION:</b>	Not expected to cause respiratory sensitization.
<b>SKIN SENSITIZATION:</b>	Not expected to cause skin sensitization.
<b>GERMINAL CELL MUTAGENICITY:</b>	No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
<b>CARCINOGENICITY:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.
<b>REPRODUCTIVE TOXICITY:</b>	No potential reproductive toxicity.
<b>SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:</b>	May cause respiratory irritation.
<b>SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:</b>	Not classified
<b>ASPIRATION HAZARD:</b>	May be fatal if swallowed and enters airways.

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**SECTION 12 – ECOLOGICAL INFORMATION**

<b>ECOTOXICITY:</b>	Linear alcohol ethoxylate LC50, Fish, 5-10 mg/l, 96h
	Petroleum distillate, hydrotreated light EC50, Pseudokirchneriella subcapitata, 4700 mg/l, 72h
	Ethylene glycol butyl ether LC50 (Oncorhynchus mykiss (rainbow trout)), 1474 mg/l, 96h
<b>PERSISTENCE AND DEGRADABILITY:</b>	Not available
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not available
<b>MOBILITY IN SOIL:</b>	Not available
<b>OTHER ADVERSE EFFECTS:</b>	Not available

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

<b>DISPOSAL INSTRUCTIONS:</b>	Collect in appropriate containers and recycle or dispose the product at a licensed waste disposal site or in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.
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**HAZARDOUS WASTE CODE:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**CONTAMINATED PACKAGING:** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14 – TRANSPORT INFORMATION

**TDG / DOT:** UN1993, FLAMMABLE LIQUID, N.O.S., (Petroleum distillate), Class 3, PG II

**SPECIAL PRECAUTIONS FOR USER:** Read safety instructions, SDS and emergency procedures before handling.

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## SECTION 15 – REGULATORY INFORMATION

Ingredients included on inventory of DSL (Canada), REACH, TSCA (USA)

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## SECTION 16 – OTHER INFORMATION

**PRODUCT NAME:** BOD-SOLV

**IN CASE OF ACCIDENTAL SPILL:** CANUTEC (Canada): 1 (613) 996-6666

**PREPARED BY:** B.O.D. CHEMICALS INC.

**PHONE:** (450) 443-5556

**DATE:** December 4<sup>th</sup>, 2018

B.O.D. CHEMICALS INC. assume no responsibility for damages or physical injuries resulting in the use of this product. The user recognizes the risk in the use of this product and must consult and respect directions and dangers of this product.