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**SECTION 1 – IDENTIFICATION**

**NAME:** DL-S

**USE:** Laundry stain remover with solvents

**MANUFACTURER:** **B.O.D. CHEMICALS INC.**  
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**SECTION 2 – HAZARDS IDENTIFICATION**

**GHS CLASSIFICATION**

**PHYSICAL HAZARDS:** Flammable liquids, category 2

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

**ENVIRONMENTAL HAZARDS:** Not available

**GHS LABEL ELEMENTS**

**PICTOGRAM:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Highly flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye damage.  
May cause an allergic skin reaction.  
Suspected of damaging fertility or the unborn child.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
May be fatal if swallowed and enters airways.

**PRECAUTIONARY STATEMENTS**

**PREVENTION:** Keep away from heat, sparks, open flames, hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Avoid breathing vapours. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only in a well-ventilated area.

**RESPONSE:** **In case of fire:** Use chemical powder, foam, carbon dioxide for extinction. **If on skin (or hair):** Remove/Take off immediately all contaminated clothing. Wash for 10 minutes with plenty of soap and water/shower. 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 skin irritation or rash occurs:** Get medical advice/attention. **If in eyes:**

Rinse immediately and cautiously with water for 10-15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician. **If exposed or concerned:** Get medical advice/attention. **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 cool. Store locked up. Keep container tightly closed. Dispose of contents/container in accordance with local regulations (see 13<sup>th</sup> section).

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Petroleum distillate	064742-89-8	30 - 60
Alcohols ethoxylated	068131-39-5	15 - 40
Ethylene glycol butyl ether	000111-76-2	10 - 30

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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 10-15 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/EFFECTS ACUTE AND DELAYED</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<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>	<b>The product is flammable.</b> 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.
<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. Do not eat, drink or smoke when using this product.
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**CONDITIONS FOR SAFE STORAGE,  
INCLUDING ANY INCOMPATIBILITIES:**

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

### EXPOSURE LIMITS:

INGREDIENT	CAS	VALUE	REGULATION
Ethylene glycol butyl ether	111-76-2	VEMP: 97 mg/m <sup>3</sup>	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

<b>APPEARANCE / FORM:</b>	Clear liquid
<b>COLOR:</b>	Colorless
<b>ODOR:</b>	Solvent
<b>ODOR THRESHOLD:</b>	Not available
<b>pH:</b>	Not applicable
<b>MELTING POINT / FREEZING POINT (°C):</b>	< 0
<b>BOILING POINT (°C):</b>	> 100
<b>FLASH POINT (°C):</b>	Not available
<b>EVAPORATION RATE:</b>	Not available
<b>EXPLOSIVE LIMITS:</b>	Not available
<b>VAPOUR PRESSURE:</b>	Not available
<b>VAPOUR DENSITY:</b>	Not available
<b>DENSITY (kg/L):</b>	0.92 - 0.94
<b>WATER SOLUBILITY:</b>	Partial
<b>PARTITION COEFFICIENT N-OCTANOL / WATER:</b>	Not available
<b>AUTOIGNITION TEMPERATURE (°C):</b>	Not available
<b>DECOMPOSITION TEMPERATURE (°C):</b>	Not available

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## SECTION 10 – STABILITY AND REACTIVITY

**REACTIVITY:** No dangerous reaction known under conditions of normal use.

**CHEMICAL STABILITY:** Stable at normal ambient temperatures and when used as recommended.

<b>HAZARDOUS REACTIONS:</b>	Hazardous polymerisation does not occur.
<b>CONDITIONS TO AVOID:</b>	Contact with incompatible materials, heat, flame, sparks.
<b>INCOMPATIBILITY:</b>	Strong comburants, strong oxidizing agents.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Not available.

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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 an irritation, nauseas.
<b>INGESTION:</b>	May cause an irritation, nauseas.

### **NUMERIC VALUES OF TOXICITY**

<b>ACUTE ORAL TOXICITY:</b>	LD50 (oral, rat): 2520 mg/kg
<b>ACUTE DERMAL TOXICITY:</b>	Not available. No health effects (normal conditions of use).
<b>ACUTE INHALATION TOXICITY:</b>	Not available. No health effects (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>	May cause an allergic skin reaction.
<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>	Suspected of damaging fertility or the unborn child.
<b>SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:</b>	May cause respiratory irritation. May cause drowsiness or dizziness.
<b>SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:</b>	May cause damage to organs through prolonged or repeated exposure.
<b>ASPIRATION HAZARD:</b>	May be fatal if swallowed and enters airways.

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## **SECTION 12 – ECOLOGICAL INFORMATION**

<b>ECOTOXICITY:</b>	Petroleum distillate EC50, <i>Pseudokirchneriella subcapitata</i> , 72 h: 4700 mg/l  Ethylene glycol butyl ether LC50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)), 96h: 1474 mg/l EC50 ( <i>Daphnia magna</i> (Water flea)), 48h: 1550 mg/l
<b>PERSISTENCE AND DEGRADABILITY:</b>	Not available
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not available

**MOBILITY IN SOIL:** Not available

**OTHER ADVERSE EFFECTS:** Not available

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## SECTION 13 – DISPOSAL CONSIDERATIONS

**DISPOSAL INSTRUCTIONS:** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain in sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional /national /international regulations.

**HAZARDOUS WASTE CODE:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**WASTE FROM RESIDUES / UNUSED PRODUCTS:** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**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:** 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:** DL-S

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

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

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

**DATE:** October 18<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.