



## SECTION 1 – IDENTIFICATION

**NAME:** BDL-52

**USE:** Liquid detergent for laundry

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

### GHS CLASSIFICATION

**PHYSICAL HAZARDS:** None

**HEALTH HAZARDS:** Acute toxicity - oral, category 4  
Skin corrosion / Irritation, category 2  
Serious eye damage / Eye irritation, category 1

**ENVIRONMENTAL HAZARDS:** Not available

### GHS LABEL ELEMENTS

#### PICTOGRAM:



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye damage.

### PRECAUTIONARY STATEMENTS

**PREVENTION:** Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.

**RESPONSE:** **If swallowed:** Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.  
**If on skin (or hair):** Wash with plenty of soap and water. Specific treatment (see supplemental first aid instructions on the label). If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.  
**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician.

**STORAGE / DISPOSAL:** Dispose of content and/or container in accordance with local regulations.

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Linear alcohol ethoxylate	Trade secret	15-40

## SECTION 4 – FIRST AID MEASURES

**SKIN:** Remove contaminated clothing. Rinse skin with water for at least 10 minutes/shower.

Consult a physician if irritation persists.

- EYES:** 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.
- INGESTION:** 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.
- INHALATION:** Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.
- TO PHYSICIAN:** Treat symptoms

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## SECTION 5 – FIRE-FIGHTING MEASURES

- FLAMMABLE:** The product is not flammable.
- EXTINGUISHING MEDIA:** Water spray, carbon dioxide, chemical powder, foam.
- UNSUITABLE EXTINGUISHING MEDIA:** Not available.
- SPECIFIC HAZARDS:** Non-combustible. Under fire conditions, toxic, corrosive fumes emitted.
- HAZARDOUS COMBUSTION PRODUCTS:** Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.
- SPECIAL FIRE FIGHTING PROCEDURES:** Wear protective clothing and positive pressure self-contained breathing apparatus if necessary.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS, EMERGENCY PROCEDURES:** Wear gloves and safety goggles. Prevent discharge in sewers or watercourses. Collect in appropriate containers. Rinse the area with water.
- ENVIRONMENTAL PRECAUTIONS:** Avoid the spillage or runoff entering drains, sewers or watercourses. Spillage or uncontrolled discharges into watercourses must be reported to the Environmental Agency or other appropriate regulatory body.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Rinse area with copious amounts of water. Collect in appropriate containers for disposal.

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## SECTION 7 – HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING:** Avoid contact of the product with eyes and skin. Wash hands thoroughly after handling.
- 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

**APPROPRIATE ENGINEERING CONTROL:** Normal ventilation

### PERSONAL PROTECTIVE EQUIPMENT



- SKIN:** Protective clothing. Impermeable gloves
- EYES:** Wear safety goggles
- RESPIRATORY:** Generally, not required.
- HYGIENE MEASURES:** Wash hands after handling.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE / FORM:** Viscous Liquid

<b>COLOR:</b>	Blue
<b>ODOR:</b>	Odorless
<b>ODOR THRESHOLD:</b>	Not available
<b>pH:</b>	6 - 8
<b>MELTING POINT / FREEZING POINT (°C):</b>	~0
<b>BOILING POINT (°C):</b>	~100
<b>FLASH POINT (°C):</b>	Not applicable
<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>	1.02 - 1.04
<b>WATER SOLUBILITY:</b>	Complete
<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**

<b>REACTIVITY:</b>	No dangerous reaction known under conditions of normal use.
<b>STABLE:</b>	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.
<b>INCOMPATIBILITY:</b>	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>	No serious effect.
<b>INGESTION:</b>	Harmful if ingested.

### **INFORMATION ON TOXICOLOGICAL EFFECTS**

<b>ACUTE ORAL TOXICITY:</b>	LD50 (oral, rat) : <2000 mg/kg
<b>ACUTE DERMAL TOXICITY:</b>	No health effects (normal conditions of use).
<b>ACUTE INHALATION TOXICITY:</b>	No health effects (normal conditions of use).
<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>	Not classified.
<b>SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:</b>	Not classified
<b>ASPIRATION HAZARD:</b>	Not classified.

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## SECTION 12 – ECOLOGICAL INFORMATION

<b>ECOTOXICITY:</b>	Linear alcohol ethoxylate EC50, Daphnia magna, 48 h, 10 - 100 mg/l
<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 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.
<b>HAZARDOUS WASTE CODE:</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>WASTE FROM RESIDUES / UNUSED PRODUCTS:</b>	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).
<b>CONTAMINATED PACKAGING:</b>	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

<b>TDG / DOT:</b>	Not regulated
<b>SPECIAL PRECAUTIONS FOR USER:</b>	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:** BDL-52

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

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

**DATE:** May 18th, 2017

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.