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## SECTION 1 – IDENTIFICATION

**NAME:** **BIO-ALKALI PLUS**

**USE:** Alkaline additive for laundry

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

### GHS CLASSIFICATION

**PHYSICAL HAZARDS** Corrosive to metals, category 1

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

**ENVIRONMENTAL HAZARDS** Not available

### GHS LABEL ELEMENTS

**PICTOGRAM:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** May be corrosive to metals.  
Harmful if swallowed.  
Causes severe skin burns and eye damage.  
Causes serious eye damage.

### **PRECAUTIONARY STATEMENTS**

**PREVENTION:** Keep only in original container.  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Do not breathing fume/gas/mist/vapours/spray.  
Wear protective gloves/protective clothing/eye protection/face protection.

**RESPONSE:** Absorb spillage to prevent material damage.  
If swallowed: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.  
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 20 minutes/shower.  
Wash contaminated clothing before reuse.  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Immediately call a POISON CENTER/doctor.  
Specific treatment (see supplemental first aid on the label).  
If in eyes: Rinse cautiously with water for 20-25 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open.  
Immediately call a POISON CENTER/doctor.

**STORAGE / DISPOSAL:** Store locked up.  
Dispose of contents/container in accordance with local regulations.

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Sodium hydroxide	001310-73-2	15 - 40
Sodium polyacrylate	009003-04-7	3 - 7

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## SECTION 4 – FIRST AID MEASURES

<b>SKIN:</b>	Remove contaminated clothing. Rinse skin with water for at least 20 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 or milk. 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>TO PHYSICIAN:</b>	Treat symptoms

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## SECTION 5 – FIRE-FIGHTING MEASURES

<b>FLAMMABLE:</b>	The product itself does not burn. May decompose upon heating to produce corrosive and/or toxic fumes. Contact with metal may release flammable hydrogen gas.
<b>EXTINGUISHING MEDIA:</b>	For small fires, use media such as alcohol foam, dry chemical or, carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>SPECIFIC HAZARDS:</b>	Toxic gases or vapours: Carbone monoxide (CO), Carbone dioxide (CO <sub>2</sub> ), Nitrogen oxides (NO <sub>x</sub> ).
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Not available
<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>	Avoid contact of the product with eyes and skin. Do not breathe fume/gas/mist/vapours/spray. Wear gloves, safety goggles and respirator if needed. Prevent discharge in sewers.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:</b>	Contain spilled material if possible. Absorb with inert materials. Collect in suitable and properly labeled containers. Rinse area 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 mist/vapours/spray.
<b>CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:</b>	Keep containers closed, in fresh, dry and well ventilated area, away from acids, soft metals (Al, Zn, Sn).

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>APPROPRIATE ENGINEERING CONTROL:</b>	Normal ventilation
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## **PERSONAL PROTECTIVE EQUIPMENT**



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

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## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE / FORM:</b>	Liquid
<b>COLOR:</b>	Red
<b>ODOR:</b>	Odorless
<b>ODOR THRESHOLD:</b>	Not available
<b>pH (solution 1%):</b>	13 - 14
<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 applicable
<b>VAPOUR PRESSURE:</b>	Not available
<b>VAPOUR DENSITY:</b>	Not available
<b>DENSITY (kg/L):</b>	1.38 - 1.40
<b>WATER SOLUBILITY:</b>	Complete
<b>PARTITION COEFFICIENT N-OCTANOL / WATER:</b>	Not available
<b>AUTOIGNITION TEMPERATURE (°C):</b>	Not applicable
<b>DECOMPOSITION TEMPERATURE:</b>	Not available

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## **SECTION 10 – STABILITY AND REACTIVITY**

<b>REACTIVITY:</b>	The following materials may react violently with the product: Acids. Reacts with water and organic materials with evolution of heat. Contact with metal may release flammable hydrogen gas.
<b>CHEMICAL STABILITY:</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>	Acids, soft metals (Al, Zn, Sn).
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Under fire conditions: carbon oxides.

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## **SECTION 11 – TOXICOLOGICAL INFORMATION**

### **INFORMATION ON LIKELY ROUTES OF EXPOSURE**

<b>SKIN:</b>	Corrosive. Causes severe skin burns.
<b>EYES:</b>	Corrosive. Causes severe eye burns. Causes serious eye damage.
<b>INHALATION:</b>	No serious effect.
<b>INGESTION:</b>	Corrosive. Causes digestive tract burns. Harmful if swallowed.
<b>SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:</b>	Burning pain and severe corrosive skin damage. Permanent eye damage including blindness could result.

#### **INFORMATION ON TOXICOLOGICAL EFFECTS**

<b>ACUTE ORAL TOXICITY:</b>	LD50 (oral, rat): < 2000 mg/kg
<b>ACUTE DERMAL TOXICITY:</b>	LD50 (dermal, rabbit): > 2000 mg/kg
<b>ACUTE INHALATION TOXICITY:</b>	Not available
<b>SKIN CORROSION / IRRITATION:</b>	Causes severe skin burns.
<b>SERIOUS EYE DAMAGE / EYE IRRITATION:</b>	Causes severe eye burns. 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 or potential carcinogen.
<b>REPRODUCTIVE TOXICITY:</b>	No relevant data found.
<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>	May cause shifts in water pH outside the range of pH 5 -10. This change may be toxic to aquatic organisms.
<b>PERSISTENCE AND DEGRADABILITY:</b>	Not available.
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not available.
<b>MOBILITY IN SOIL:</b>	No relevant data found.
<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 /</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some

**UNUSED PRODUCTS:** 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 / DOT:** UN1760, CORROSIVE LIQUID, N.O.S. (Sodium hydroxide), Class 8, PG II

**ENVIRONMENTAL HAZARDS  
(MARINE POLLUTANT):** No

**TRANSPORT IN BULK:** Not available

**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:** BIO-ALKALI PLUS

**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.