

**SECTION 1 - PRODUCT AND COMPANY INFORMATION**

Product Name: : Break Plus  
 Product Use: : Laundry Additive  
 Supplier Name and Address: : Corporate Facility Supply  
 7 Neilson Street  
 St. Catharines, ON L2M 5V9  
  
 Telephone: : (905) 682-8888  
 Emergency Telephone: : CANUTEC (613) 996-6666

**SECTION 2 - HAZARD IDENTIFICATION**

**EMERGENCY OVERVIEW**

**Physical State:** Clear, colourless liquid  
**GHS Classification:**  
 Skin Irritation: Category 1B  
 Eye Irritation: Category 1  
 Acute Toxicity: Category 3  
**GHS Label Elements:**  
 Hazard Pictograms



Signal Word: Danger  
 Hazard Statements: H301 Toxic if swallowed  
 H312 Harmful in contact with skin  
 H314 Causes severe skin burns and eye damage  
  
 Precautionary Statements: **Prevention**  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray  
 P262 Do not get in eyes, on skin, or on clothing  
 P284 In case of inadequate ventilation wear respiratory protection  
  
**Response**  
 P302 IF ON SKIN: Flush with plenty of water for at least 15 minutes  
 P305 IF IN EYES: Flush with plenty of water for at least 15 minutes  
 P332+P313 If skin irritation persists, get medical attention

**Potential Health Effects:**

Inhalation	: Strongly irritating to the eyes; slightly irritating to the nose throat, and lungs. High concentration of vapours will cause irritation or if inhaled as a mist.
Skin	: Causes severe skin irritation Symptoms may be delayed.
Eyes	: Causes severe eye irritation
Ingestion	: Harmful or fatal if swallowed
Aggravated Medical Condition	: None known
Symptoms of Overexposure	: None known

**SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS**

**HAZARDOUS INGREDIENTS**

Chemical Name	CAS-No.	Concentration [%]
Sodium Hydroxide	1310-73-2	20
Sodium Xylene Sulfonate	1300-72-7	3
Sodium Metasilicate Pentahydrate	6834-92-0	1-5

**SECTION 4 - FIRST-AID MEASURES**

<b>General Advice</b>	: Move out of dangerous area Consult a physician Show this Safety Data Sheet to the doctor in attendance
<b>Inhalation</b>	: Remove victim to fresh air. If symptoms persist, call a physician.
<b>Skin Contact</b>	: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Call physician immediately. Wash contaminated clothing before reuse.
<b>Eye Contact</b>	: IMMEDIATELY flush eyes with running water for at least 15 minutes keeping eyelids open. Call physician if irritation persists
<b>Ingestion</b>	: Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.

**SECTION 5 - FIRE-FIGHTING MEASURES**

<b>Suitable extinguishing media</b>	: Water fog, carbon dioxide, dry chemical
<b>Specific hazards arising from the chemical</b>	: Not available
<b>Special protective actions for fire-fighters</b>	: Not available
<b>Additional advice</b>	: Not sensitive to mechanical impact or static discharge

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

<b>Personal precautions</b>	: Wear appropriate protective equipment.
<b>Environmental precautions</b>	: Prevent entry into sewers or streams. Dike if needed.
<b>Methods and materials for containment/ cleaning up</b>	: Eliminate all ignitions sources. Contain spill by diking. If fire potential exists, blanket spill with aqueous film-forming foam or use water fog stream to disperse vapours. Neutralize the residue with sodium carbonate or crushed

**Break Plus**

limestone. Absorb with an inert dry material and place in an appropriate waste disposal container.

**Additional advice**

: None

**SECTION 7 - HANDLING AND STORAGE**

**Precautions for safe handling**

: Avoid contact with skin, eyes, and clothing. Wear proper protective equipment including rubber gloves

**Conditions for safe storage**

: Store in a cool, dry area. Keep away from incompatible materials

**Other data**

: Rinse work area after use. Keep out of reach of children. Avoid contamination of food. Wash hands thoroughly after handling

**SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Control parameters**

: None available

**Engineering Controls**

: Normal building ventilation is adequate  
Ensure that eyewash stations and safety showers are close to the workstation location

**Personal Protective Equipment**

Eye/face protection

: Safety glasses with side shields when there is potential for eye contact. Contact lenses should not be worn

Hand protection

: Nitrile or rubber gloves are recommended

Skin protection

: Protective coveralls or thick clothing that covers exposed skin

Respiratory protection

: Suitable breathing mask if mists or vapors are present

Hygiene measures

: Handle in accordance with good industrial hygiene and safety practice

When using do not eat or drink

When using do not smoke

Wash hands before breaks and at the end of the workday

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:**

: Clear, colourless liquid

**Odor:**

: Odourless

**Odor Threshold:**

: Not available

**pH:**

: 11-12

**Melting point/ freezing point:**

: Not available

**Initial boiling point and boiling range:**

: Not available

**Flash point:**

: Not available

**Evaporation rate:**

: Not available

**Flammability (solid, gas):**

: Not available

**Upper/lower flammability or explosive limits:**

: Not available

**Vapour pressure:**

: Not available

**Vapour density:**

: Not available

**Relative density (g/mL):**

: 1.34

**Water solubility:**

: Very soluble

**Solubility in other solvents:**

: Not available

**Partition coefficient: n-octanol/water:**

: Not available

**Auto-ignition temperature:**

: Not available

**Decomposition temperature:**

: Not available

**Viscosity:**

: As water

**SECTION 10 - STABILITY AND REACTIVITY**

**Reactivity**

: Product is stable

<b>Chemical Stability</b>	: Stable under normal conditions
<b>Possibility of hazardous reactions</b>	: Hazardous polymerization will not occur
<b>Conditions to avoid</b>	: Do not mix with strong acids, reactive metals
<b>Incompatible materials</b>	: Not available
<b>Hazardous decomposition products</b>	: Not available

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Product Information**

Acute toxicity	: Not available
Skin Corrosion/ Irritation	: Not available
Serious eye damage/irritation	: Not available
Respiratory or skin sensitization	: Not available
Germ cell mutagenicity	: Not available
Carcinogenicity	: Not available
Reproductive toxicity	: Not available
STOT-single exposure	: Not available
STOT-repeated exposure	: Not available
Aspiration hazard	: Not available

**Toxicology Data for Ingredients**

**Sodium Hydroxide**

Acute oral toxicity	: LDLO oral, rabbit: 500mg/kg LD50 intraperitoneal, mouse: 40 mg/kg
Skin irritation	: rabbit, 500 mg/ 24 hours, severe
Eye irritation	: rabbit, 400ug, mild; rabbit, 1% severe
Sensitization	: Not available

**Sodium Xylene Sulfonate**

Acute oral toxicity	: LD50 acute, dermal, rabbit: >2000 mg/kg LD50 acute, oral, rat: 7200 mg/kg
Skin irritation	: Causes skin irritation
Eye irritation	: Not available
Sensitization	: Not classified

**SECTION 12 - ECOLOGICAL INFORMATION**

**Product Information:**

Toxicity:	: Not available
Persistence and degradability:	: Not available
Bioaccumulative potential:	: Not available
Mobility in soil:	: Not available
Other adverse effects:	: Not available

**Toxicology Data for Ingredients:**

**Sodium Hydroxide**

Toxicity:	: LC50-EC50 between 10-100mg/L in species tested
Persistence and degradability:	: Not available
Bioaccumulative potential:	: Not available
Mobility in soil:	: Not available
Other adverse effects:	: Material is slightly toxic to aquatic organisms on an acute basis

**Sodium Xylene Sulfonate**

Toxicity:	: EC50 algae: >= 230mg/kg 72 hours EC50 daphnia: >= 1000mg/l 48 hours LC50 fish: >=1000 mg/l 96 hours
Persistence and degradability:	: Not available
Bioaccumulative potential:	: Not available
Mobility in soil:	: Not available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Product** : Sanitary sewer or dry absorbent if available.  
For large quantities, contact local environmental department or government authorities  
Do not dispose in drains, waterways, or soil  
Do not contaminate ponds, or ditches with chemical or the used container

**SECTION 14 - TRANSPORT INFORMATION**

**UN Number** : UN1824  
**UN Proper Shipping Name** : Sodium Hydroxide solution  
**Transport hazard class(es)** : Class 8  
**Packing group, if applicable** : II  
**Environmental hazards** : Not available  
**Special precautions for user** : Not available  
**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not applicable

**SECTION 15 - REGULATORY INFORMATION**

**WHMIS Information: Corrosive, D1B, E. TSCA Inventory Listing. Product is on the DSL and TSCA Inventory listing.**

**SECTION 16 - OTHER INFORMATION**

**Prepared by:** Technical Services  
**Telephone number:** (905) 682-8888

**Preparation date:** January 2018

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