SAFETY DATA SHEET (SDS)
BQN BREAK

services KEMPRO services

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identification

Product name	:	BQN BREAK

Other means of identification

Product type	:	Powder

Relevant identified uses

Recommended use	:	For industrial use only: Disperses food stains and restores the shine to stainless steel and silverware.
Restrictions on use	:	All other uses than those indicated on the product label and technical data sheet.

Details of the supplier of the safety data sheet

Supplier / Manufacturer	:	Kempro Services 9221 rue Edison, Anjou, Québec. H1J 1T4 Tel : 1-800-299-0548
E-mail	:	info@kemproservices.com

Emergency number

Emergency telephone number (with hours of operation)	:	Poison Control Centre : 1-800-463-5060 CANUTEC : +1-613-996-6666 or *666 (cellphone)(24/7)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

SKIN CORROSION – Category 1
EYE DAMMAGE - Category 1

GHS Label Elements

Hazard(s) pictograms : GHS05

Signal word : Danger

Hazard statements : **H314 -** Causes severe skin burns and eye damage.

Precautionary statements

- **Prevention** : **P264 -** Wash thoroughly after handling.
  P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- **Response** : **P303+P361+P353** – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
  P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
  P310 - Immediately call a POISON CENTER or doctor/physician.
  P363 - Wash contaminated clothing before reuse.
- **Storage** : **P405** - Store locked up.
- **Disposal** : **P501 -** Dispose of contents and container in accordance with local, regional and national regulations.

Other known hazards

Not additional information available

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture

Substances : Mixture

Other means of identification : Powder mainly composed by the following ingredients

CAS number /other identifiers/ Mixtures

CAS number : Not applicable

Ingredient name	% (p/p)	CAS number
Sodium Hydroxide	10.0 - 30.0	6834-92-0
Sodium Metasilicate	10.0 - 30.0	497-19-8
Sodium Carbonate	7.0 - 13.0	2893-78-9

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section.
Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST-AID MEASURES

Description of necessary first aid measures

Eye contact : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Inhalation : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin contact : Get medical attention immediately. Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes.

Ingestion : Get medical attention immediately. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye damage.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes severe burns.
Ingestion : May cause burns to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain, watering, redness
Inhalation : No known significant effects or critical hazards.
Skin contact : Adverse symptoms may include the following:
pain or irritation, redness, blistering may occur
Ingestion : Adverse symptoms may include the following:
Stomach pains

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (section 11)

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO_2), extinguishing powder, water spray or alcohol resistant foam.

Unsuitable extinguishing media : None known

Specific hazards arising from the chemical

Fire hazard : No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials: carbon dioxide, carbon monoxide, oxides and metal oxide/oxides

Special protective equipment and precautions for fire-fighters

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any person risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Methods and materials for containment and cleaning up

Methods for containment : Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Methods for cleaning up : Dispose of in accordance with all national and local regulations.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene	:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene mesures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Limites d'exposition professionnelle

Ingrédients dangereux	Valeurs limites d'exposition
Sodium Hydroxide	**CA Quebec Provincial (Canada).** STEL : 2mg/m^3
Sodium Metasilicate	**CA Quebec Provincial (Canada).** STEL : 3mg/m3

No other important information available.

Individual protection measures

General protection and hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products before eating, smoking and using lavatory and at the end of the working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Wear eye protection against chemical splashes.
Hands protection	:	Wear chemical-resistant, impervious gloves.
Skin & body protection	:	Wear appropriate protective clothing to prevent skin contact.
Respiratory Protection	:	No respiratory protection required under normal handling conditions. Use only with adequate ventilation.

SECTON 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance

Physical state	:	Powder
Colour	:	White
Odour	:	Characteristic
Odor threshold	:	Not available.
pH	:	>13.0
Melting point	:	Not available.
Freezing point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gaseous):	:	Not applicable.
Lower and upper explosive (flammable) limits	:	Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density (g/ml)	:	Not available
Solubility	:	Easily soluble in water
Partition coefficient: noctanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Not available.

SECTION 10. STABILITY ET REACTIVITY

Reactivity
No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability
The product is stable.
Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid
No specific data.
Incompatible materials
No specific data.
Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity
There is no data available.

Irritation/Corrosion

Product/ingredient name	Result		Species	Exposure
Sodium Hydroxide	Oral	DL50	Rat	>140mg/kg
Sodium Metasilicate	Oral	DL50	Rat	4090 mg/kg
Sodium Carbonate	Oral	DL50	Rat	874 mg/Kg

Sensibilization
There is no data available.

Mutagenicity
There is no data available.

Cancerogenicity

Classification

Product/ingredient name	OSHA	CIRC	NTP	ACGIH	EPA	NIOSH
Sodium Hydroxide	-	-	-	-	-	-
Sodium Metasilicate	-	-	-	-	-	-
Sodium Carbonate	-	-	-	-	-	-

Reproductive toxicity
There is no data available.

Teratogénicity
There is no data available.

Specific target organ toxicity (single exposure)
There is no data available.

Specific target organ toxicity (repeated exposure)
There is no data available.

Aspiration hazard
There is no data available.

Information on the likely routes of exposure : Dermal contact. Eye contact. Ingestion.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following: Pain, watering, redness
Inhalation : No known significant effects or critical hazards.
Skin contact : Adverse symptoms may include the following: Pain or irritation, redness, blistering may occur
Ingestion : Adverse symptoms may include the following: Stomach pains

Delayed and immediate effects and also chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.
Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.
Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

There is no data available.

SECTION 12. ÉCOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
Sodium Carbonate	Acute LC50 265-565 mg/L (Aquatic)	Daphnie - Crustaceans	96 hours

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (KOC) : There is no data available

Other adverse effects

No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste treatment methods : Dispose of contents must be made according to local, state or national legislation. Do not allow to get into surface water, drains and ground water.

Container disposal: : Only empty containers could be recycled.

SECTION 14. TRANSPORT INFORMATION

	TDG Classification	IMDG	IATA
UN number	*UN 3262*	*UN 3262*	*UN 3262*
UN proper shipping name	*Corrosive solid, Basic, Inorganic, N.O.S. (Sodium Hydroxide, Disodium Trioxosilicate)*	*Corrosive solid, Basic, Inorganic, N.O.S. (Sodium Hydroxide, Disodium Trioxosilicate)*	*Corrosive solid, Basic, Inorganic, N.O.S. (Sodium Hydroxide, Disodium Trioxosilicate)*
Transport hazard class(es)	*8*	*8*	*8*
Packing group	*III*	*III*	*III*
Environmental hazards	*Yes*	*Yes*	*Yes*
Additional information	*Remarks: Limited quantity in 5Kg or less*	-	-

Special precautions for user — **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15. REGULATORY INFORMATION

Listes canadiennes

Canadian NPRI : None of the components are listed.

CEPA Toxic substances (Canadian Environmental Protection Act) : None of the components are listed.

Canada inventory : All components are listed or exempted.

SECTION 16. OTHER INFORMATION

History

Date of issue : 06/04/2018

Version : 1

Key to abbreviations :
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships,
1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations
HPR = Hazardous Products Regulations

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