Safety Data Sheet

Product Identifier

Manufacturer's Name: **CAPO INDUSTRIES LTD.**
Street Address: **1200 Corporate Drive**
City: **Burlington, Ontario, CANADA**
Postal Code: **L7L 5R6**

Emergency Telephone: **Canutec (613) 996-6666 (Collect)(Transport)**

SECTION 1. IDENTIFICATION

Product Identifier Alliance ElaBORATE

Other Means of Identification Not available

Recommended Use Pool water conditioner and buffer

Restrictions on Use Not available

Initial Supplier Identifier Capo Industries Ltd.

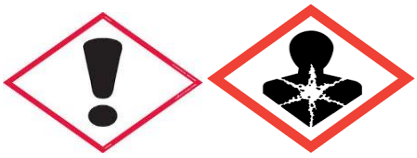
Emergency Telephone Number (905) 332-6626 (Non-Transport)

SECTION 2. HAZARD IDENTIFICATION

GHS Classification

Eye irritation, Category 2A
Reproductive toxicity, Category 2

Label Elements



Signal Word Warning

Hazard Statement(s):

H319 Causes serious eye irritation.
H361 Suspected of damaging fertility or the unborn child.

Precautionary Statement(s):

P203 Obtain, read, and follow all safety instructions before use.
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.
P318 IF exposed or concerned, get medical advice.
P337+P317 If eye irritation persists: Get medical help.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local regulations.

Other Hazards No additional information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms
Boric Acid	10043-35-3	65 - 85	Boracic acid
Sodium Tetraborate Pentahydrate	12179-04-3	10 – 30	Borax Pentahydrate

SECTION 4. FIRST-AID MEASURES

Inhalation
Remove person to fresh air and keep comfortable for breathing. If breathing is difficult get medical help.

Skin Contact
Wash with plenty of water. Wash contaminated clothing before reuse. Get medical help if skin irritation occurs.

Eye Contact
Rinse eyes cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical help if irritation persists.

Ingestion
Rinse mouth with water and drink plenty of water afterwards. Do not induce vomiting. Get medical help.

Most Important Symptoms and Effects, Acute and Delayed
Skin contact can cause mild irritation. Eye contact can cause serious eye irritation. Inhalation of dusts may irritate the respiratory tract. Ingestion may cause gastrointestinal upset with nausea, vomiting, and diarrhea.

Immediate Medical Attention and Special Treatment
Treat symptomatically and supportively.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media Use any media suitable for surrounding fire.

Unsuitable Extinguishing Media High volume water jet.

Specific Hazards Arising from the Product May produce boron oxides if involved in a surrounding fire.

Special Protective Equipment and Precautions for Fire-Fighters
Wear normal fire-fighting gear suitable for surrounding fire. Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures
Do not breathe dust. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

Methods for Containment and Cleaning Up
Sweep up material and place in a designated labeled waste container.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling
Obtain, read, and follow all safety instructions before use. Put on appropriate protective equipment. Avoid breathing dusts. Wash hands thoroughly after handling. Use in a well-ventilated area. Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke in the work area.

Conditions for Safe Storage
Store in a cool, dry area. Keep containers tightly closed to minimize dust formation. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Exposure Limits

Boric Acid: ACGIH TWA (Inhalable fraction) – 2 mg/m^3 (Borate),

ACGIH STEL (Inhalable fraction) – 6 mg/m^3 (Borate)

Sodium Tetraborate Pentahydrate: NIOSH REL TWA – 1 mg/m^3

OSHA P0 TWA – 10 mg/m^3

Appropriate Engineering Controls
Local exhaust ventilation. Ensure eye wash and safety shower stations are close to work area.

Individual Protection Measures

Eye/Face Protection	Safety glasses/goggles if eye contact is likely.
Skin Protection	Latex, PVC, or rubber gloves if skin contact is likely.

Respiratory Protection
Wear dust mask if prolonged use in non-ventilated area is unavoidable. Wear a NIOSH approved dust mask for concentrations of nuisance dust up to 10 mg/m^3. An air supplied respirator if concentrations are higher or unknown.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White free flowing powder
Odour	Odourless
Odour Threshold	Not applicable
pH	7.0 – 8.0 (1% solution)
Melting Point and Freezing Point	No data available
Initial Boiling Point and Boiling Range	No data available
Flash Point	Not applicable
Evaporation Rate	No data available
Flammability	No data available
Upper and Lower Flammability or Explosive Limit	No data available
Vapour Pressure	No data available
Vapour Density (air = 1)	No data available
Bulk Density	0.849kg/l
Solubility in Water	3.6% by weight
Solubility in Other Liquids	No data available
Partition Coefficient, n-Octanol / Water (Log Kow)	No data available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	No data available
Viscosity	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	None under normal conditions.
Chemical Stability	Stable under normal temperature and storage conditions.
Possibility of Hazardous Reactions	

Reacts with strong reducing agents such as metal hydrides or alkali metals to generate flammable and explosive hydrogen gas.

Conditions to Avoid Keep away from high temperatures.

Incompatible Materials Elemental zirconium, base metals, alkali metals, reducing agents and metal hydrides.

Hazardous Decomposition Products When heated, it will produce boron oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

X Inhalation **X** Skin contact **X** Eye contact **X** Ingestion

Acute Toxicity

LC_{50} (Inhalation)
Boric Acid: Not available
Sodium Tetraborate Pentahydrate: > 2.0 mg/l, Inhalation 4h (Rat)

LD_{50} (Oral)
Boric Acid: Not available
Sodium Tetraborate Pentahydrate: 3305 mg/kg, Oral (Rat)

LD_{50} (Dermal)
Boric Acid: Not available
Sodium Tetraborate Pentahydrate: > 2000 mg/kg, Dermal (Rabbit)

Inhalation Dusts may cause irritation to the respiratory tract.

Ingestion May cause gastrointestinal upset with nausea, vomiting, and diarrhea.

Skin Corrosion / Irritation Skin contact can cause mild skin irritation.

Serious Eye Damage / Irritation Eye contact causes serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure No data available

Aspiration Hazard Not applicable

STOT (Specific Target Organ Toxicity) - Repeated Exposure No data available

Respiratory and/or Skin Sensitization No data available

Carcinogenicity

Chemical Name	IARC	ACGIH	OSHA
Boric Acid	Not Listed	Not Listed	Not Listed
Sodium Tetraborate Pentahydrate	Not Listed	Not Listed	Not Listed

Reproductive Toxicity Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

Development of Offspring
Boric Acid: Species Rat
Application Route**:** Oral
General Toxicity Maternal: NOAEL: 76 mg/kg body weight.
Development Toxicity: NOAEL: 55 mg/kg body weight.

Sexual Function and Fertility
Boric Acid: Test Type: Three generation study
Species: Rat, male and female
Application Route: Oral
General Toxicity – Parent: NOAEL: 100 mg/kg body weight.
General Toxicity F1: NOAEL: 100 mg/kg body weight.

Effects on or via Lactation No data available

Germ Cell Mutagenicity Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Interactive Effects No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity No data available

Persistence and Degradability No data available

Bioaccumulative Potential No data available

Mobility in Soil No data available

Other Adverse Effects No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods Dispose material in accordance with federal, provincial, and local regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group
TDG	Not Regulated				
US DOT	Not Regulated				

Special Precautions None

Environmental Hazards None known

SECTION 15. REGULATORY INFORMATION

Safety, Health, and Environmental Regulations

Canada
DSL All components are listed on the Domestic Substances List (DSL).

USA
TSCA All components are on the Toxic Substances Control Act (TSCA) Inventory List.

SARA 311/312 Immediate, Delayed health hazard.

SECTION 16. OTHER INFORMATION

Prepared By (Group, Department): Quality Assurance **Telephone:** (905) 332-6626

Preparation Date: April 5, 2017
Date of Latest Revision: April 22, 2022
Additional Notes or References:

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