SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name:	YELLOW ELIMINATOR
Synonym(s):	Sodium Bromide; NaBr; Yellow Eliminator
Recommended Uses:	Helps remove yellow, green, brown, and pink debris from swimming pools
SDS Reference:	93

Company Information: ALLCHEM PERFORMANCE PRODUCTS, INC.
6010 NW FIRST PLACE
GAINESVILLE, FL 32607
Tel: 352-378-9696

Distributed By: WATER TECHNIQUES, INC
14260 W. NEWBERRY RD #162
NEWBERRY FL 32669

24 HOUR EMERGENCY NUMBER: INFOTRAC (TRANSPORTATION): 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

Classification:	Not subject to GHS classification.
Signal Word:	Not required
Hazard Statements:	Mild irritant to eyes.
Precautionary Statements:	Mild irritant. Avoid contact with eyes, skin and clothing. Do not smoke, drink or eat when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash separately before reuse.
Eye Contact:	Mild irritant
Skin Contact:	Not an irritant to intact skin. Slight irritant on prolonged contact to abraded skin.
Inhalation:	Irritant to upper respiratory tract.
Ingestion:	Abdominal pain, nausea and vomiting. May cause falling asleep, muscular incoordination and respiratory depression.

3. COMPOSITION

		PERCENT %	CAS #
Chemical Name:	Sodium Bromide	98 - 100	7647-15-6

4. FIRST AID

If In Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on Skin or Clothing:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If Inhaled:	If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then artificial respiration, preferable mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
If Swallowed:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Note:	Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. FIREFIGHTING MEASURES

Suitable / Unsuitable Extinguishing Media:	Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.
Specific Hazards from Chemical:	Will decompose from ca. 800°C releasing poisonous and corrosive fumes of hydrogen bromide and sodium oxide.
Special Protective Equipment:	Wear self-contained breathing apparatus in positive pressure mode.
Other Information:	Cool containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear dust respirator, chemical safety goggles, rubber gloves and boots.
Methods and Materials for cleanup:	Sweep up and place in a bag and hold for waste disposal or possible re-use. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling:	Keep containers tightly closed and avoid bodily contact.
Storage:	Keep in well ventilated area and place away from incompatible materials (see Section 10).

8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

OSHA permissible exposure limit:	Not determined.
Appropriate Engineering Controls:	Provide adequate ventilation.
Individual Protection Measures:	Respiratory Protection: In case of significant or accidental dust emissions, dust mask should be worn. Eye Protection: Chemical safety goggles. Skin and Body Protection: Protective gloves, body covering clothes and boots. Safety shower and eye bath should be provided. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White granular powder	Flammability (solid/gas):	Not flammable
Odor:	Odorless	Upper/lower Flammability or Exposure limits:	Not applicable
Odor Threshold:	No data available	Vapor Pressure:	1 mm Hg at 1589°F (865°C)
pH:	6.7 - 7.3 (aqueous solution)	Vapor Density:	Not applicable
Melting Point/Freezing Point:	1474°F (801°C)	Density:	135 lbs/ft3
		Solubility(ies):	35.7 g/100 ml of water at 20°C
Initial Boiling Point/Boiling Range:	2669°F (1465°C)	Partition Coefficient: n-octanol/water:	Not applicable
		Auto-ignition Temperature:	Not applicable
Flash Point:	Not considered to be fire hazard.	Decomposition Temperature:	1472°F (800°C)
Evaporation Rate:	Not applicable	Viscosity:	No data available

10. STABILITY AND REACTIVITY

Stability/Reactivity:	Stable at room temperature. This product tends to cake under normal storage conditions.
Possibilities of Hazardous Reactions:	Hazardous Polymerization: Will Not Occur
Conditions to Avoid:	Heating above decomposition temperature.
Incompatible Materials:	Strong acids; heavy metal salts; strong oxidants. This product reacts explosively with bromine trifluoride.
Hazardous Decomposition Materials:	Hydrogen bromide and sodium oxide.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:	Oral LD50 (rat): 4200 mg/kg Dermal LD50 (rabbit): >2000 mg/kg Dermal LD50 (rat): >2000 mg/kg Eye Irritation (rabbit): slightly irritant Dermal Irritation (rabbit): not irritant Skin corrosion/irritation: not irritant Dermal Sensitization: not a sensitizer
Chronic Toxicity:	Repeated skin contact may cause dermatitis. Repeated oral intake of bromides (>9 mg/kg body weight/day) may affect the central nervous system. Warning symptoms include mental dullness, slurred speech, weakened memory, apathy, anorexia, constipation, drowsiness and loss of sensitivity to touch and pain.
Reproductive Toxicity:	Sodium bromide has been shown to cause embryo-fetal toxicity and malformations in rats at dose levels which also produce maternal toxicity. The No-Observed Effect Level (NOEL) is 100 mg/kg/day, and the Acceptable Daily Intake (ADI) for sodium bromide from food and drinking water in humans is 1 mg/kg/day. Comparable high doses of sodium chloride (table salt) similarly cause malformations, embryo-fetal toxicity, and maternal toxicity in mice. TERATOGENICITY: In the oral gavage pre-natal developmental toxicity study in the Rabbit, there were no obvious effects of maternal treatment on the survival, growth or development of the offspring at any of the dosages investigated. The No Observed Effect Level (NOEL) for the developing conceptus was considered to

be 250 mg/kg/day.

Carcinogenicity: Not classified by IARC. Not included in NTP 12th Report on Carcinogens.

Mutagenicity: Does not induce DNA repair in cultured human epithelioid cells. Not clastogenic in human lymphocytes metaphase analysis. Not mutagenic by the Ames Test.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Fish Toxicity:
LC50 Bluegill sunfish: >1000 mg/l (96 hour)
LC50 Rainbow trout: >1000 mg/l (96 hour)
EC50 Daphnia magna: >1000mg/l (48 hour)

Avian Toxicity: LD50 Mallard duck (oral): >2250 mg/kg
LD50 Mallard duck (diet): >5633 ppm
LD50 N. Bobwhite Quail (diet): >5633 ppm

Environmental Hazards: Sodium Bromide is an inorganic salt, which fully dissociates in aquatic environment to bromide and sodium ions. It also undergoes degradation in soil to bromide ion (no further degradation or biodegradation will occur).
Toxicity to Micro-organisms: Activated sewage sludge respiration inhibition test: EC50 > 1000 mg/l (3 hours). NOEC was 1000 mg/l (3 hours).

13. DISPOSAL CONSIDERATIONS

Disposal: Add into a large vessel containing water and drain into sewer with ample water.
Avoid access to streams, lakes or ponds. Observe all federal, state and local environmental regulations when disposing of this material.

14. TRANSPORATION INFORMATION

Package exceptions may be applicable. Refer to the appropriate IMDG, IATA and/or 49 CFR regulations accordingly.

DOT: Not Regulated

15. REGULATORY INFORMATION

TSCA: USA: Reported in the EPA TSCA Inventory.

SARA (311, 312): No data available.

SARA 313: No data available.

Right To Know Hazardous Substance List: No data available.

Waste Classification: If these wastes cannot be disposed of by use according to label instructions, contact your Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Workplace Classification: This product is not considered hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

CERCLA Reportable Quantity: Not applicable.

16. OTHER INFORMATION

ALWAYS COMPLY WITH ALL APPLICABLE INTERNATIONAL, FEDERAL, STATE AND LOCAL REGULATIONS REGARDING THE TRANSPORTATION, STORAGE, USE AND DISPOSAL OF THIS CHEMICAL. Due to the changing nature of regulatory requirements, the REGULATORY INFORMATION listed in Section 15 of this document should NOT be considered all-inclusive or authoritative. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements. The information in this SDS was obtained from sources, which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

HMIS Rating: No data available

NFPA Rating: No data available

Special Hazard Warning: No data available

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