

Zebra Skimmers® Odor Control Tablets

SAFETY DATA SHEET under the GHS: MSDS 2015K18

Section 1a: Company

Zebra Skimmers Corp.
27000 Richmond Rd., Units 1-5
Solon, Ohio 44139

Corporate Contact Phone: 440.349.0141

Section 1b: Product

PRODUCT TYPES: Solid compressed crystals, each weighing about 100 grams, measuring 7.5 cm x 1 cm round. There is a blue color additive for product differentiation. **TRADE NAMES/SYNONYMS:** ZebraSafe™ pH Increaser Crystals.

Section 2: Hazard Identification

EMERGENCY OVERVIEW: If liquified in high concentrations, contact with the eyes or prolonged exposure with skin may cause irritation. No significant environmental effects. Not a fire hazard. Product is stable. This product is labeled in accordance with guidelines set forth according to OSHA Hazard Communication Standard 29CFR1910.1200.

The way this product is handled in the workplace represents an extremely low probability of misuse or danger.

REGULATORY STATUS: While this product is not considered hazardous under OSHA's Hazard Communication Standard (29 CFR 1900.1200), this MSDS includes information critical for safe handling and use. Please retain this MSDS for employees and other users of this product.

POTENTIAL HEALTH EFFECTS: Skin: Repeated or prolonged contact may cause defatting. Abraded skin may become irritated. — Ingestion: May cause irritation, vomiting, nausea and diarrhea. — Inhalation: Occasional mild irritation effects to nose and throat may occur from inhalation of dusts at levels greater than 10 mg/m³. — Risk Classification: None. — Env Hazards: Do not allow access of undiluted material to sewer waters, effluent, or ground.

Section 3: Composition / Ingredients

Based on hazard evaluations, none of the following chemicals in this product have been identified as hazardous. a) Sodium Tetraborate Decahydrate CAS#:1303-96-4 85-100% — b) Water CAS#:7732-18-5 0-15%

Section 4: First Aid

Eye Contact: Immediately flush eyes with plenty of water.

Ingestion: Drink plenty of water. Consult a doctor. May cause vomiting if ingested in large quantities.

Skin Contact: Immediately wash skin with soap and water.

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Section 5: Fire Fighting

FLAMMABLE PROPERTIES: **OSHA FLAMMABILITY CLASSIFICATION:** Not applicable **FLASH POINT:** None **UPPER FLAMMABILITY LIMIT:** Not applicable **LOWER FLAMMABILITY LIMIT:** Not applicable **AUTO-IGNITION TEMPERATURE:** Not applicable **FIRE AND EXPLOSION HAZARD:** The fire hazard for this product has not been determined. The hazards of the components with the most severe hazards are: Slight fire hazard when exposed to heat or flame. **HAZARDOUS DECOMPOSITION PRODUCTS:** Has not been determined. **EXTINGUISHING MEDIA:** Suitable Extinguishing Media: Dependent on surrounding materials, product itself does not burn. NFPA Rating: Health - 1, Flammability - 0, Reactivity - 0. **PROTECTION OF FIREFIGHTERS:** In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams. Dike fire control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing vapors, keep upwind.

Section 6: Accidental Release Response

PERSONAL PRECAUTIONS: Wear skin, eye and respiratory protection as recommended in Section 8. Stop or reduce any leaks if it is safe to do so. Keep unnecessary personnel away. Ventilate spill area if possible. Ensure clean-up is conducted by trained personnel only. Make sure area is slip-free before re-opening to traffic. **ENVIRONMENTAL PRECAUTIONS:** Do not allow undiluted product access to sewer system. Material is water soluble, and may cause damage to trees and vegetation by root absorption. **METHODS FOR CONTAINMENT AND CLEAN UP:** SMALL SPILLS - Sweep or scoop up and place into suitable clean, dry containers for reclamation or later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS - Sweep or scoop up. Dispose in suitable waste container. Keep unnecessary people away from spill.

Section 7: Handling and Storage

HANDLING: Wear water/oil impervious gloves. Wear safety glasses with side shields. Store in a dry place at room temperature. Keep containers tightly closed. **STORAGE:** Storage facilities must comply with national / local regulations pertaining to prevention of water pollution and to dangerous goods.

Section 8: Exposure Control / Personal Protection

The use of this product by consumers is safe under normal and reasonable foreseen use.

The information provided below refers to the occupational settings.

WORKER EXPOSURE LIMITS: The following exposure limits exist for the ingredients listed below. The TLV-TWA is the ACGIH Threshold Limit Value – Time Weighted Average. TLV-Ceiling Limit is the ACGIH Threshold Limit Value – Ceiling Limit. PEL-TWA is the OSHA Permissible Exposure Limit. TLV-STEL is the ACGIH Short Term Exposure Limit.

INGREDIENT, CAS NUMBER, and EXPOSURE LIMIT for Dust and Particles Not Otherwise Specified (67701-11-5 & 67701-10-4): TLV-TWA: 10 mg/m³ (total dust), TLV-TWA: 3 mg/m³ (respirable fraction), PEL-TWA: 15 mg/m³ (total dust), PEL-TWA: 5 mg/m³ (respirable fraction).

RESPIRATOR: Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits. If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS: Any self contained breathing apparatus that has a full-face piece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure demand or other positive-pressure mode.

CLOTHING: Protective clothing is required where repeated or prolonged skin contact may occur. **GLOVES:** Avoid skin contact. May irritate abraded skin. Wear water-impervious safety gloves. **EYE/FACE PROTECTION:** Avoid contact with eyes. Safety glasses are required to prevent eye contact.

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Section 9: Physical and Chemical Properties

APPEARANCE: Solid blue tablets. **ODOR/ODOR THRESHOLD:** None. **PHYSICAL STATE:** Solid, compressed crystals. **pH (@ 25°C):** 10.0 (1% Solution). **VAPOR DENSITY:** Not available. **BOILING POINT:** Not available. **VAPOR PRESSURE:** Not available. **MELTING / FREEZING POINT:** Not available. **FLASH POINT:** Not applicable. **FLAMMABLE PROPERTIES:** Not applicable. **SOLUBILITY IN WATER:** ~ 5% @ 20°C. **DENSITY / SPECIFIC GRAVITY:** Not applicable. **EVAPORATION RATE:** Not available. **OCTANOL / WATER PARTITION COEFFICIENT:** Not available. **VISCOSITY (Dynamic):** Not applicable.

Section 10: Stability and Reactivity

CHEMICAL STABILITY: Stable as supplied under normal ambient temperature (70iF, 21iC) and pressure (1 atm). **CONDITIONS TO AVOID:** Avoid contact with incompatible substances and excessive heat. **INCOMPATIBLE MATERIALS:** Concentrated hydroxides. **HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may release toxic and/or hazardous gases. **POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

Section 11: Toxicology

PRODUCT INFORMATION SUMMARY: This is an industrial maintenance product used to buffer fluid solutions inside factories. The use of this product by consumers is safe under normal and reasonable foreseen use. Direct contact with eyes may cause eye irritation. Repeated or prolonged excessive exposure with skin may cause irritation. **COMPONENT ANALYSIS:** The following toxicity information is for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings. — Oral LD50 5000 mg/kg — Dermal LD50 >10,000 mg/kg — Eye effects mild eye irritation effects via Draize test — Ames test negative — Skin sensitization not a skin sensitizer — Fish toxicity 24 hour, Rainbow trout: LC50 - 1363 mg Na2B4O7•10H2O/liter. **SENSITIZATION:** This product is not considered a skin or respiratory sensitizer. **CARCINOGENICITY:** None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). **MUTAGENICITY:** None of the ingredients in this product are known to cause mutagenicity. **REPRODUCTIVE/FETAL/DEVELOPMENTAL TOXICITY:** None of the ingredients in this product are known as reproductive, fetal, or developmental hazards. **TARGET ORGAN TOXICITY:** None of the ingredients in this product are known to have target organ toxicity. **EPIDEMIOLOGICAL INFORMATION:** None of the ingredients in this product are known to have health-related information in working populations.

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Section 12: Ecology

ENVIRONMENTAL FATE: No access to sewer waters, effluent or ground. See Toxicological information regarding fish toxicity. **PERSISTENCE AND DEGRADABILITY:** No environmental fate data exists for the product. The product is rapidly biodegradable. **BIOACCUMULATION POTENTIAL:** The bioaccumulation potential of this product has not been determined. **MOBILITY:** The mobility of this product (in soil and water) has not been determined.

Section 13: Disposal Considerations

Product: As chemical waste in accordance with federal, state or local regulations. **Packaging, Empty:** Uncleaned containers should be recycled or disposed of. **Receiver** of containers should be informed about the possible hazards as described in this MSDS.

Section 14: Transportation

GROUND TRANSPORT DOT Hazard Class: Not regulated Packing Group: Not applicable. DOT Proper Shipping Name: Not applicable Shipping Label Information: Not applicable. UN/NA Number: Not applicable **AIR TRANSPORT (ICAO/IATA) MARINE TRANSPORT (IMDG/IMO)** ICAO/IATA Hazard Class: Not regulated IMDG/IMO Hazard Class: Not regulated ICAO/IATA Proper Shipping Name: Not applicable IMDG/IMO Proper Shipping Name: Not applicable.

Section 15: Regulations

S.A.R.A. Title III section 311 and 312 This product is not classified as a hazardous chemical.
S.A.R.A. Title III section 313
No chemicals are present at or above the de minimis concentrations in this product.

Section 16: Miscellaneous

DISCLAIMER: This information is provided in good faith and is believed to be correct. However, ZSC makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, ZSC will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied of merchantability, fitness for a particular purpose or of any other nature is made hereunder with respect to the information set forth herein or to the product to which the information refers. As always, all information is subject to change without notice. ZSC will work hard to make sure all information is up to date, but this is NOT a guarantee.

Hazard Ratings (from 0 - 4, where 4= high / severe degree of hazard)			
Category-->	Health	Flammability	Reactivity
HMIS	1	0	0
NFPA	1	0	0

MSDS CREATION DATE: 18 November 2015 / Supersedes revision dated 13 May 2015