Safety Data Sheet

Section 01 - Identification

Product Identifier	Tabex Shock ‘n Swim
Other Means of Identification	None
Product Use and Restrictions on Use	Non-chlorine shock treatment for swim pool water.
Initial Supplier Identifier	ClearTech Industries Inc. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7
Prepared By	ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503
24-Hour Emergency Phone	Phone: 1 (306) 664 – 2522

Section 02 - Hazard Identification

GHS-Classification

Skin Corrosion/Irritation	Category 1B
Serious Eye Damage/Irritation	Category 1
STOT-Single Exposure	Category 3
Sensitization-Skin	Category 1
Sensitization-Respiratory	Category 1

Physical Hazards

No known physical hazards.

Danger

Hazards Statements
H314 – Causes severe skin burns and eye damage.
H335 – May cause respiratory irritation.
H317 – May cause an allergic skin reaction.
H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Pictograms

Precautionary Statements

P405 – Store locked up.
P403 + P233 – Store in a well-ventilated place. Keep container tightly closed.
P280 – Wear protective gloves, protective clothing, eye protection, and face protection.
P271 – Use only outdoors or in a well-ventilated area.
P260 – Do not breathe dust.
P284 – Wear respiratory protection.
P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342 + P311 – If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P301 +P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310 – Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin.
P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.
P363 – Wash contaminated clothing before reuse.
P272 – Contaminated work clothing should not be allowed out of the workplace.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 – If eye irritation persists: Get medical advice/attention.
P501 – Dispose of contents/container in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 03 - Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %	Unique Identifiers
Peroxymonosulphuric Acid, Monopotassium Salt	10058-23-8	10-30%	
Potassium Bisulphate	7646-93-7	10-30%	
Potassium Persulphate	7727-21-1	1-5%	
Sodium Carbonate	497-19-8	7-13%	
Ingredients not classified as hazardous under the Hazardous Products Regulations		10-30%	

Section 04 - First Aid Measures

Inhalation

If symptoms are experienced, remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical attention.

Skin Contact / Absorption

Remove contaminated clothing. Rinse skin with lukewarm, gently flowing water for 30 minutes. Seek immediate medical attention. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

Eye Contact

Contact lenses should never be worn when working with this product. Flush immediately with water for at least 30 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek immediate medical attention.

Ingestion

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Do not induce vomiting. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. Seek immediate medical attention.

Additional Information

Not Available

Section 05 - Fire Fighting Measures

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder and appropriate foam for surrounding products.

Unsuitable Extinguishing Media

Not Available

Specific Hazards Arising From the Chemical

Carbon oxides and other irritating fumes and smoke.

Special Protective Equipment and Precautions for Fire-Fighters	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
Further Information	Shield personnel to protect from venting, rupturing or bursting containers. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling containers exposed to heat.

Section 06 - Accidental Release Measures

Personal Precautions / Protective Equipment / Emergency Procedures	Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue.
Environmental Precautions	Prevent material from entering sewers or bodies of water.
Methods and Materials for Containment and Cleaning Up	Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal. Contaminated absorbent material may pose the same hazards as the spilled product.

Section 07 - Handling and Storage

Precautions for Safe Handling	Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.
Conditions for Safe Storage	Store product in a cool, dry and well ventilated place away from direct sunlight, heat and ignition sources. Store away from incompatible materials such as strong bases, strong acids, oxidizers and some metals.
Incompatibilities	Strong bases, strong acids, some metals and combustible materials.

Section 08 - Exposure Controls and Personal Protection

Exposure Limit(s)

Component	Regulation	Type of Listing	Value
Potassium persulphate	ACGIH	TLV-TWA	0.1mg/m^3

Engineering Control(s)

Ventilation Requirements	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.
Other	Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

Protective Equipment

Eyes/Face	Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury.
Hand Protection	Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.
Skin and Body Protection	Body suite, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

	Impervious boots of chemically resistant material should be worn at all times. No special footwear is required other than what is mandated at place of work.
Respiratory Protection	Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown.
Thermal Hazards	Not Available

Section 09 - Physical and Chemical Properties

Appearance

Physical State	Solid, powder
Colour	White
Odour	Odourless
Odour Threshold	Not Applicable

Property

pH	7.5 (1% solution)
Melting Point/Freezing Point	Not Available
Initial Boiling Point and Boiling Range	Not Available
Flash Point	Not Available
Evaporation Rate	Not Available
Flammability	Product will not burn under normal conditions. Product may increase buring rate of surrounding combustible materials.
Upper Flammable Limit	Not Available
Lower Flammable Limit	Not Available
Vapour Pressure (mm Hg, 20^{o}C)	Not Available
Vapour Density (Air=1)	Not Available
Relative Density	Not Available
Solubility(ies)	Soluble in water
Partition Coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	Not Available
Explosive Properties	Not Available
Specific Gravity (Water=1)	Not Available

% Volatiles by Volume	Not Available
Formula	Not Available
Molecular Weight	Not Available

Section 10 - Stability and Reactivity

Reactivity	Not Available
Stability	Stable under normal storage and handling conditions.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames and sparks. Do not mix with other chemicals.
Incompatible Materials	Combustible materials, strong bases and acids, some metals and combustible materials.
Hazardous Decomposition Products	Carbon oxides and other irritating fumes.

Section 11 - Toxicological Information

Acute Toxicity Estimate

Component	Oral LD_{50}	Dermal LD_{50}	Inhalation LC_{50}
Tabex Shock ‘n Swim	2,187 mg/kg	2,500 mg/kg	526 mg/m^3

This product has been classified in accordance with the Hazardous Products Regulations using ATE formula documented in the GHS standard.

Chronic Toxicity – Carcinogenicity

Component	IARC
Tabex Shock ’n Swim	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

Skin Corrosion/Irritation	May cause moderate irritation or burns.
Ingestion	May be harmful if ingested. Symptoms may include irritation to mouth, throat and stomach. Other symptoms may include drowsiness, dizziness, nausea, headache and other central nervous system effects.
Inhalation	May be harmful if inhaled. May cause irriation to the nose, throat and respiratory tract. Symptoms may include burning sensation, sore throat, runny nose, coughing, wheezing, shortness of breath and difficulty breathing.
Serious Eye Damage/Irritation	May cause moderate eye irritation or burns. Symptoms include redness, stinging, tearing and pain.
Respiratory or Skin Sensitization	Possible skin and respiratory tract allergies may occur.
Germ Cell Mutagenicity	Not Available
Reproductive Toxicity	Not Available
STOT-Single Exposure	May cause respiratory irritation.
STOT-Repeated Exposure	Not Available
Aspiration Hazard	Not Available
Synergistic Materials	Not Available

Section 12 – Ecological Information

Ecotoxicity

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Potassium persulphate	Not Available	LC_{50}(Oncorhynchus mykiss, 48hr): 234mg/L	LC_{50}(Daphnia magna, 48hr): 92mg/L
Sodium carbonate	EC_{50}(Diatom, 96hr): 242mg/L	LC_{50}(Lepomis macrochirus, 96hr): 320mg/L	LC_{50}(Daphnia magna, 48hr): 264mg/L

Biodegradability	Not Available
Bioaccumulation	Not Available
Mobility	Not Available
Other Adverse Effects	Not Available

Section 13 – Disposal Considerations

Waste From Residues/Unused Products	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
Contaminated Packaging	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 14 – Transport Information

UN Number	UN3260
UN Proper Shipping Name	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Potassium bisulfate)
Transport Hazard Class(es)	8
Packaging Group	II
Environmental Hazards	Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.
Special Precautions	Not Available
Transport in Bulk	Not Available

Additional Information

Packing Group	Limited Quantity Index
I	0
II	1 Kg
III	5 Kg

TDG

Other	Secure containers (full and/or empty) with suitable hold down devises during shipment and ensure all caps, valves, or closures are secured in the closed position.

TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

Section 15 – Regulatory Information

NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

Section 16 – Other Information

Preparation Date March 29, 2016

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

Attention: Receiver of the chemical goods / SDS coordinator

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution® initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

References:

1) CHEMINFO
2) eChemPortal
3) TOXNET
4) Transportation of Dangerous Goods Canada
5) HSDB
6) ECHA
7) PAN

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