AQUA EASY SHOCK PLUS MULTI-FUNCTIONAL SHOCK

SECTION 1. IDENTIFICATION

Product Identifier	AQUA EASY SHOCK PLUS MULTI-FUNCTIONAL SHOCK
Other Means of Identification	27033WIP
Recommended Use	Shock and Conditioner.
Manufacturer	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, www.Lawrasons.com
Supplier Identifier	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, www.Lawrasons.com
Emergency Phone No.	CANUTEC, 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone
SDS No.	27032C20, 27032C63, 27032P20, 27032P85
Date of Preparation	February 01, 2017

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Oxidizing solid - Category 2; Corrosive to metals - Category 1; Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1; Eye irritation - Category 2A; Specific target organ toxicity (single exposure) - Category 3; Aquatic hazard (Acute) - Category 1

Label Elements

Danger

Hazard Statement(s):
May intensify fire; oxidizer.
Harmful if swallowed or in contact with skin.
Causes severe skin burns and eye damage.
May cause respiratory irritation.
Very toxic to aquatic life.

Precautionary Statement(s):
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Keep or store away from clothing and other combustible materials.
Take any precaution to avoid mixing with combustibles.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
In case of inadequate ventilation wear respiratory protection.
Avoid release to the environment.

Response:
In case of fire: Use water spray or fog to extinguish.
IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
Rinse mouth.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a POISON CENTRE or doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTRE or doctor if you feel unwell.
Collect spillage.

Storage:
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Disposal:
Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Potassium peroxymonosulfate	70693-62-8	30.00-60.00		
Sodium dichloroisocyanurate	2893-78-9	15.00-40.00		
Sodium bicarbonate	144-55-8	7.00-13.00		
Boric acid	10043-35-3	5.00-10.00		

Notes

The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

If breathing is difficult, move person into fresh air. Keep at rest in a position comfortable for breathing. Immediately call a Poison Centre or doctor.

Skin Contact

Rinse skin with water or shower. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). If skin irritation occurs, get medical advice or attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If exposed or concerned, get medical advice or attention.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water. Do not use any other substance.

Unsuitable Extinguishing Media

DO NOT use carbon dioxide, or other agents that smother the flames.

Specific Hazards Arising from the Product

Thermal decomposition can lead to release of toxic/corrosive gases and vapours.

Special Protective Equipment and Precautions for Fire-fighters

Fight fire from a safe distance or a protected location. Oxidizer. Prevent contact with flammable and combustible materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: stop or reduce leak if safe to do so. Dike spilled product to prevent runoff. Dike and recover contaminated water for appropriate disposal. Contact emergency services and manufacturer/supplier for advice.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Do not swallow. Wash hands thoroughly after handling this material.

Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated. Protect from sunlight. Store in the original, labelled, shipping container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

	ACGIH TLV®		OSHA PEL		AIHA WEEL	
Chemical Name	**TWA**	**STEL**	**TWA**	**Ceiling**	**8-hr TWA**	**TWA**
Sodium bicarbonate	Not established		Not established		Not established	
Boric acid	10 mg/m3		15 mg/m3		Not established	
Sodium dichloroisocyanurate	Not established		Not established		Not established	
Potassium peroxymonosulfate	Not established		Not established		Not established	

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Ensure that eye stations and safety showers are proximal to the work-station location. Wear a chemical splash suit and respiratory protection.

Respiratory Protection

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Off white powder.
Odour	Chlorine
Odour Threshold	Not available
pH	6.50 - 7.50 (1% solution)
Melting Point/Freezing Point	240 ºC (464 ºF) (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.00
Solubility	Soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	240 ºC (464 ºF)
Viscosity	Not available (kinematic); Not available (dynamic)

Other Information

Physical State	Solid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Oxidizer.

Chemical Stability

Unstable under certain conditions - see Conditions to Avoid.

Possibility of Hazardous Reactions

Reacts in the presence of water, acidic conditions (low pH). May cause an explosion.

Conditions to Avoid

High temperatures. Sunlight. Water, moisture or humidity. Do not mix with other chemicals.

Incompatible Materials

Strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide), ammonia, reducing agents (e.g. hydroquinone).

Hazardous Decomposition Products

Chlorine gas.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium bicarbonate	> 4.74 mg/L (rat)	4220 mg/kg (rat)	Not available
Boric acid	> 2.0 mg/L (rat)	3500-4100 mg/kg (rat)	> 2000 mg/kg (rabbit)
Sodium dichloroisocyanurate	847.5 mg/m3 (rat) (4-hour exposure)	1420 mg/kg (rat)	> 2000 mg/kg (rat)
Potassium peroxymonosulfate	> 14 mg/L (rat) (1-hour exposure)	1204 mg/kg (rat)	> 11000 mg/kg (rabbit)

Skin Corrosion/Irritation

Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation

Causes serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Causes nose and throat irritation.

Skin Absorption

Causes skin burns.

Ingestion

Harmful if swallowed. Causes digestive tract burns. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Sodium bicarbonate	Not Listed	Not Listed	Not Listed	Not Listed
Boric acid	Not Listed	Not Listed	Not Listed	Not Listed
Sodium dichloroisocyanurate	Not Listed	Not Listed	Not Listed	Not Listed
Potassium peroxymonosulfate	Not Listed	Not Listed	Not Listed	Not Listed

Reproductive Toxicity

Development of Offspring

May harm the unborn child.

Sexual Function and Fertility

May cause effects on sexual function and/or fertility.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic, with long lasting effects to aquatic life.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Store product for disposal as described under Storage in Section 7 of this safety data sheet. Do not reuse empty containers.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1479	Oxidising Solid, n.o.s. (Dichloroisocyanuric acid, sodium salt)	5.1	II
US DOT	1479	Oxidising Solid, n.o.s. (Dichloroisocyanuric acid, sodium salt)	5.1	II

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This section is not required by WHMIS.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

NFPA Rating	**Health - 3 Flammability - 0 Instability - 1**
SDS Prepared By	Technical Manager
Phone No.	905-842-8300
Date of Preparation	February 01, 2017
Date of Last Revision	June 26, 2020
Key to Abbreviations	IARC = International Agency for Research on Cancer
References	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for

Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

Additional Information

All information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations of mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product,personal hygiene, and integrity of the work environment. (Unless noted to the contrary, the technical information applies only to pure product). To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Lawrason's, Inc. nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process.The user alone must finally determine suitability of any information or material for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Lawrason's Inc. reserves the right to make additions, deletions or modifications to the information at any time without prior notification.

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