KIT SDS COVER LETTER

Product name **ClearView**
Kit Part # WS3500CF

Revision date **1-12-17**

ATTACHED –

WS3500CF

Kit Component SDS's – Qty 3

1. Clearview Mineral Magnet
2. Clearview Poly Power 30
3. Clearview Shock Swim Chlor Free 15

DATE OF PREPARATION

1-12-17

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SAFETY DATA SHEET

Product name **ClearView Mineral Magnet**

Revision date 4**-18-15**

Section 1 Identification

Product ID: Mineral Magnet
Synonyms: HEDP: 1-Hydroxyethlydene-1, 1-diphosphonic acid
Product Category: Phosphonate
Product Use: Stain Remover,
Removes metals from pool water and metal stains and scale from surfaces.

Supplier: **Oreq Corporation**
42306 Remington Avenue
Temecula, CA 92590
951-296-5076

Emergency Phone# **Chemtrec: 1-800-424-9300**

Section 2 Hazards identification

Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 1A-1C
Serious Eye Damage/Eye Irritation, Category 1
Specific Target Organ Toxicity (single exposure), Category 2

Warning **Danger** **Warning**

GHS Hazard Phrases:
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H318 - Causes serious eye damage.
H371 - May cause damage to organs .

GHS Precaution Phrases:
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:
P301+312- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+311 - If exposed of concerned: Call a POISON CENTER/Doctor/...
P310 - Immediately call a POISON CENTER or doctor/physician.
P321 - Specific treatment see ... on this label.
P330 - Rinse mouth.
P363 - Wash contaminated clothing before reuse.

Product name **ClearView Mineral Magnet**

Revision date 4**-18-15**

Section 2 Hazards identification (Continued)

GHS Storage and Disposal Phrases:
P405 - Store locked up.
P501 - Dispose of contents/container .in accordance with all federal, state and local Regulations…

OSHA Regulatory Status:
This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):
Chronic: None.

Inhalation:
Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Mist may be severely irritating to nose, throat and lungs depending on concentration and **d**uration of exposure.

Skin Contact:
Causes skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Corrosive, causes permanent skin damage (scarring).

Eye Contact:
Causes severe eye irritation.
Corrosive. Will cause eye burns and permanent tissue damage.

Ingestion:
Corrosive to mouth, esophagus and stomach.
Harmful if swallowed.
Low order of Toxicity.

Section 3 Composition / Information on ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
2809-21-4	1-Hydroxyethylidene-1,1-diphosphonic acid	32 - 34 %	SZ8562100
13598-36-2	Phosphorous acid, Ortho	<2.0 %	SZ6400000

Section 4 First - aid measures

Emergency and First Aid Procedures:
In case of adverse exposure to vapors and/or aerosols, immediately remove the affected victim from exposure and get immediate medical attention. If breathing is difficult, give oxygen. If breathing stops, give artificial respiration.

In Case of Inhalation:
If inhaled, remove to fresh air. If breathing is difficult, give oxygen.

In Case of Skin Contact:
In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

In Case of Eye Contact:
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

In Case of Ingestion:
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Signs and Symptoms Of Exposure:
The chemical, physical, and toxicological properties of this product have not been thoroughly investigated.

Note to Physician:
Treat symptomatically and supportively.

Product name **ClearView Mineral Magnet**

Revision date 4**-18-15**

Section 5 Fire - fighting measures

Flammability Classification: non-flammable
Flash Pt: NP
Explosive Limits: LEL: N.A. UEL: N.A.
Autoignition Pt: NP
Suitable Extinguishing Media: Suitable: Water spray.
Unsuitable Extinguishing Media: Unknown.
Fire Fighting Instructions: Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Flammable Properties and Hazards: No data available.

Section 6 Accidental release measures

Steps To Be Taken In Case Material Is Released Or Spilled: PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL. Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.
Methods for cleaning up.
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

Section 7 Handling and storage

Precautions To Be Taken in Handling: "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of. Avoid breathing (dust, vapor, mist, gas). Avoid contact with eyes, skin, and clothing.

Precautions To Be Taken in Storing: No special storage requirements.

Section 8 Exposure controls / personal protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
2809-21-4	1-Hydroxyethylidene-1,1-diphosphonic acid	PEL: Not Available	TLV: Not Available	Not Available
13598-36-2	Phosphorous acid, Ortho	PEL: Not Available	TLV: Not Available	Not Available

Respiratory Equipment (Specify Type): Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Respirator protection is not normally required.

Product name **ClearView Mineral Magnet**

Revision date 4**-18-15**

Section 8 Exposure controls / personal protection (Continued)

Eye Protection:	Splash proof safety goggles.
Protective Gloves:	Hand: Compatible chemical-resistant gloves.
Other Protective Clothing:	Where splashing is possible, full chemically resistant protective clothing (e.g. acid suit) and boots are required.
Engineering Controls (Ventilation etc.):	Safety shower and eye bath. Mechanical exhaust required. There are no special ventilation requirements.
Work/Hygienic/Maintenance Practices:	Wash thoroughly after handling.

Section 9 Physical and chemical properties

Physical States:	[ ] Gas [X] Liquid [ ] Solid
Appearance and Odor:	None to slight odor. Clear colorless to light straw.
Freezing Point:	NA
Boiling Point:	NA
Decomposition Temperature:	NA
Autoignition Pt:	NP
Flash Pt:	NP
Explosive Limits:	LEL: N.A. UEL: N.A.
Specific Gravity (Water = 1):	~ 1.444 at 25.0 C (77.0 F)
Density:	~ 12.0 LB/GA
Bulk density:	NA
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	NA
Evaporation Rate:	NA
Solubility in Water:	Complete
Saturated Vapor Concentration:	NA
Viscosity:	NA
Octanol/Water Partition Coefficient:	Not Available
pH:	< 2
Percent Volatile:	~ 38.00 % by weight.
VOC / Volume:	NP
Particle Size:	NP
Heat Value:	NP
Corrosion Rate:	NA
Molecular Formula & Weight:	C2H8O7P2 206.028

Section 10 Stability and reactivity

Reactivity:	Substantial heat is evolved when mixed with alkali.
Stability:	Unstable [ ] Stable [X]
Conditions To Avoid -	Contact with common metals produces flammable hydrogen gas.

Instability:

Section 10 Stability and reactivity (Continued)

Incompatibility - Materials To Avoid: Strong oxidizing agents and strong alkali.

Hazardous Decomposition Or Byproducts: Thermal decomposition may produce toxic fumes of phosphorus oxides and/or phosphine. Carbon dioxide.

Possibility of Hazardous Reactions: Will occur [ ] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

Section 11 Toxicological information

Toxicological Information:

Epidemiology: No data available.
Teratogenicity: No data available.
Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies:
CAS# 2809-21-4:
Reproductive Effects:, TDLo, Intraperitoneal, Mouse, 40.00 MG/KG, female 7 day(s) after conception.
Result:
Effects on Fertility: Pre-implantation mortality (e.g., reduction in number of implants per female; total number of implants per corpora lutea).
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
- Shika Igaku. Odontology., Vol/p/yr: 50,879, 1987

Reproductive Effects:, TDLo, Intraperitoneal, Mouse, 200.0 MG/KG, female 7 day(s) after conception.
Result:
Specific Developmental Abnormalities: Craniofacial (including nose and tongue).
Specific Developmental Abnormalities: Blood and lymphatic system (including spleen and marrow).
- Journal of Osaka Dental University., Vol/p/yr: 20,91, 1986
Reproductive Effects:, TDLo, Subcutaneous, Mouse, 200.0 MG/KG, female 13 day(s) after conception.
Result:
Specific Developmental Abnormalities: Musculoskeletal system.
- Teratology, The International Journal of Abnormal Development, Alan R. Liss, Inc., 41 E. 11th St., New York, NY 10003, Vol/p/yr: 26(1),16A, 1982

Reproductive Effects:, TDLo, Subcutaneous, Mouse, 1400. MG/KG, female 11-17 day(s) after conception.
Result:
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
Specific Developmental Abnormalities: Musculoskeletal system.
- Senten Ijo. Congenital Anomalies., For publisher information, see CGANE7, Osaka Japan, Vol/p/yr: 22,47, 1982

Acute toxicity, LD50, Oral, Mouse, 1800. MG/KG.
Result:
Behavioral: Convulsions or effect on seizure threshold.
Gastrointestinal:Hypermotility, diarrhea.

Nutritional and Gross Metabolic:Changes in:Body temperature increase.

Section 11 Toxicological information (Continued)

- Angewandte Chemie, International Edition in English., VCH Pub., Inc., 303 NW 12th Ave., Deerfield Beach, FL 33441, Vol/p/yr: 14,94, 1975

CAS# 13598-36-2:
Acute toxicity, LD50, Oral, Rat, 1895. MG/KG.
Result:
Behavioral: Convulsions or effect on seizure threshold.
Gastrointestinal:Hypermotility, diarrhea.
Nutritional and Gross Metabolic:Changes in:Body temperature increase.
- Gigiena i Sanitariya, Mezhdunarodnaya Kniga, ul. B. Yakimanka, 39, 113095, Moscow 113095 Russia, Vol/p/yr: 56(4),24, 1991

Acute toxicity, LD50, Oral, Mouse, 1700. MG/KG.
Result:
Behavioral: Tremor.
Behavioral: Muscle contraction or spasticity.
- Toksikologicheskii Vestnik., Vol/p/yr: (6),38, 1995

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
2809-21-4	1-Hydroxyethylidene-1,1-diphosphonic acid	n.a.	n.a.	n.a.	n.a.
13598-36-2	Phosphorous acid, Ortho	n.a.	n.a.	n.a.	n.a.

Section 12 Ecological information

No data available.

Results of PBT and vPvB Assessment:
CAS# 2809-21-4:
LC50, Bluegill (Lepomis macrochirus), 868.0 MG/L, 96 H.
LC50, Rainbow Trout (Oncorhynchus mykiss), 368.0 MG/L, 96 H.
Effective concentration to {0}% of test organisms., Water Flea (Daphnia magna), 527.0 MG/L, 48 H.
CAS# 13598-36-2:
Fathead Minnow (Pimephales promelas), 100.0 MG/L, 96 H, Mortality, Water temperature: 82.00 C (179.6 F) C, pH: 8.50; Toxicity of Photographic Processing Chemicals to Fish, Terhaar, C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett, 1972

Effective concentration to {0} % of test organisms, Fathead Minnow (Pimephales promelas), 10000. MG/L, 4 H, Mortality, Water temperature: 82.00 C (179.6 F) C, pH: 8.50; Toxicity of Photographic Processing Chemicals to Fish, Terhaar, C.J., W.S. Ewell, S.P. Dziuba, and D.W. Fassett, 1972

Persistence and Degradability: Degrades after acclimatization.

Bioaccumulative Potential: This material is not expected to bio-accumulate.

Mobility in Soil: Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

Product name **ClearView Mineral Magnet**

Revision date 4**-18-15**

Section 13 Disposal considerations

Waste Disposal Method: Discarded product, as sold, would be considered a RCRA Characteristic Hazardous Waste as it meets the definition /characteristic of corrosivity (designated as D002). APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Waste Disposal Method: D002

Section 14 Transport information

GHS Classification: Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed
Skin Corrosion/Irritation, Category 1A-1C - Danger! Causes severe skin burns and eye damage
Serious Eye Damage/Eye Irritation, Category 1 - Danger! Causes serious eye damage
Specific Target Organ Toxicity (single exposure), Category 2 - Warning! May cause damage to organs {<target organs>}

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (1-Hydrydroxyelthylidene-1, 1-diphosphonic acid)
DOT Hazard Class: 8 - CORROSIVE
UN/NA Number: UN3265 **Packing Group:** II

LAND TRANSPORT (Canadian TDG):
TDG shipping Name: No information available.

LAND TRANSPORT (European ADR/RID):
ADR/RID Shipping Name:
UN Number: 3265 **Packing Group:** II
Hazard Class: 8 - CORROSIVE

MARINE TRANSPORT (IMDG/IMO):
IMDG/IMO Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (1-Hydroxyethylidene-1, 1-diphosphonic acid)
UN Number: |N| **Packing Group:** II
Hazard Class: 8 - CORROSIVE
IMDG MFAG Number: |
IMDG EMS Page: |

Product name **ClearView Mineral Magnet**

Revision date 4**-18-15**

AIR TRANSPORT (ICAO/IATA):
ICAO/IATA Shipping Name: Corrosive liquid, acidic, organic, n.o.s. (1-Hydroxyethylidene-1, 1-diphosphonic acid) Solution.

Section 15 Regulatory information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
2809-21-4	1-Hydroxyethylidene-1,1-diphosphonic acid	No	No	No
13598-36-2	Phosphorous acid, Ortho	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:
[X] Yes [ ] No Acute (immediate) Health Hazard
[X] Yes [ ] No Chronic (delayed) Health Hazard
[ ] Yes [X] No Fire Hazard
[ ] Yes [X] No Sudden Release of Pressure Hazard
[ ] Yes [X] No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
2809-21-4	1-Hydroxyethylidene-1,1-diphosphonic acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
13598-36-2	Phosphorous acid, Ortho	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
2809-21-4	1-Hydroxyethylidene-1,1-diphosphonic acid	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; China IECSC: Yes; Japan ENCS: Yes - (2)-2936; Korea ECL: Yes - KE-20516; Philippines ICCS: Yes; Taiwan TCSCA: Yes; REACH: Yes - (R), (P)
13598-36-2	Phosphorous acid, Ortho	Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; China IECSC: Yes; Japan ENCS: Yes - (1)-421; Korea ECL: Yes - KE-28491; Philippines ICCS: Yes; Taiwan TCSCA: Yes; REACH: Yes - (R), (P)

Regulatory Information Statement: Regulatory information provided in this SDS was prepared for this product and is to be used only for the product in its present form, If this material is used as a component in another material or altered in any way, the information in this SDS may no longer be applicable. This document was generated for the purpose of distributing health, safety and environmental data.

Section 16 Other information

Hazard Rating System:

	HEALTH	FLAMMABILITY	PHYSICAL	PPE
HMIS -	**3**	**0**	**1**	**Dn**

	HEALTH	FLAMMABILITY	INSTABILITY	SPECIAL HAZARD
NFPA -	**3**	**0**	**1**	**ACID**

DATE OF PREPARATION
4-18-2015

SAFETY DATA SHEET

Product name **ClearView Poly Power 30**

Revision date **4-29-15**

Section 1 Identification

Product ID: Poly Power 30
Synonyms: Polyquaternium 42; Polixetonium chloride; WSCP
Chemical Name: Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]
CAS Number: 31512-74-0
Product Use: Algaecide and Water Clarifier for Swimming pools.

Supplier: **Oreq Corporation**
42306 Remington Ave.
Temecula, CA 92532
951-296-5076

Emergency Phone# **CHEMTREC 800-424-9300**

Section 2 Hazards identification

GHS Classification: Acute Toxicity: Oral, Category 4
Aquatic Toxicity (Acute), Category 1

GHS Signal Word: **WARNING**

Hazard Pictograms:

GHS Hazard Phrases: H302 - Harmful if swallowed.
H400 - Very toxic to aquatic life.

GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.

GHS Response Phrases: P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 - Rinse mouth.
P391 - Collect spillage.

GHS Storage and Disposal Phrases: P501 - Dispose of contents/container .in accordance with all federal, state and local regulations...

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic): Chronic: None.
Inhalation: Prolonged inhalation may be harmful
Skin Contact: Prolonged or repeated skin contact may cause irritation.
Eye Contact: Contact may cause eye irritation.
Ingestion: Harmful if swallowed. If medical advice is needed, have product container or label at hand.

Product name **ClearView Poly Power 30**

Revision date **4-29-15**

Section 3 Composition / Information on ingredients

CHEMICAL NAME	CAS#	CONCENTRATION	RTECS%
Poly[oxyethylene(dimethylimonio)ethylene(dimethylimonio)ethylene dichloride]	31512-74-0	30%	TR1650000

Section 4 First - aid measures

Emergency and First Aid Procedures: Wash with plenty of soap and water.

In Case of Inhalation: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. IF NOT BREATHING, call 911 and or ambulance, then give artificial respiration.

In Case of Skin Contact: Wash with soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs, seek medical advice/attention.

In Case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

In Case of Ingestion: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Note to Physician: Treat symptomatically and supportively.

Section 5 Fire - fighting measures

Flammability Classification: Non-flammable

Flash Pt: > 212.0 F (100.0 C) Method Used: Cleveland Open Cup

Explosive Limits: LEL: N.A. UEL: N.A.

Autoignition Pt: NA

Suitable Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media: No information available.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), & full protective gear. Material will not burn.

Flammable Properties and Hazards: No data available.

Product name **ClearView Poly Power 30**

Revision date **4-29-15**

Section 6 Accidental release measures

Protective Precautions, Protective Equipment and Emergency Procedures: Wear appropriate gloves to prevent skin exposure. Wear chemical splash goggles.

Environmental Precautions: Avoid release to the environment. This product is toxic to fish and aquatic organisms. Do not discharge into effluent containing this product into lakes, streams, ponds or estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharging. Do not discharge effluent containing this product to sewer sytems without previously notifying the local sewage treatment plant authority. For guidance call your State Water Board Authority or Regional Office of the EPA.

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. This material will sink and is soluable/dispersable, it is probably not recoverable. Notify the Authorities. Prevent further leakage or spillage if safe to do so.

Section 7 Handling and storage

Precautions To Be Taken in Handling: Do not contaminate water, food, or feed by storage or disposal. Keep container closed when not in use. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Do NOT reuse empty containers without commercial cleaning or reconditioning.

Precautions To Be Taken in Storing: No special storage requirements. Storage Temperature: Ambient.
Storage Pressure: Atmospheric.

Other Precautions: Spills must be absorbed with sawdust or sand and disposed of in a sanitary landfill.
Leaking or damaged drums must be placed in overpack drums for disposal.
Do not stack drums more than (4) drums high.

Section 8 Exposure controls / personal protection

Permissible Exposure Limits						
	OSHA		WISHA		ACGIH (TLV)	
CAS No.	TWA	STEL	TWA	STEL	TWA	STEL
31512-74-0	No Data	No Data	No Data	No Data	No Data	No Data

Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Impervious gloves.

Other Protective Clothing: Clothes to prevent skin contact. Protective garments not normally required.

Engineering Controls (Ventilation etc.): Ventilation should be provided to control worker exposures and prevent health risks and as necessary to reduce, prevent and control dust, mist, vapor or aerosol generation.

Product name **ClearView Poly Power 30**

Revision date **4-29-15**

Section 8 Exposure controls / personal protection (Continued)

Work/Hygienic/Maintenance Practices: Wash thoroughly after handling. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls: Use adequate ventilation to keep airborne concentrations low. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Section 9 Physical and chemical properties

Physical States:	[ ] Gas [X] Liquid [ ] Solid
Appearance and Odor:	Light yellow to brown. Mild odor.
Melting Point:	NP
Boiling Point:	212.0 F (100.0 C)
Decomposition Temperature:	NA
Autoignition Pt:	NA
Flash Pt:	> 212.0 F (100.0 C) Method Used: Cleveland Open Cup
Explosive Limits:	LEL: N.A. UEL: N.A.
Specific Gravity (Water = 1):	1.15 - 1.17 at 25.0 C (77.0 F)
Density:	9.6 - 9.8 LB/GA at 25.0 C (77.0 F)
Bulk density:	NA
Vapor Pressure (vs. Air or mm Hg):	NA
Vapor Density (vs. Air = 1):	NA
Evaporation Rate:	NA
Solubility in Water:	Soluble
Saturated Vapor Concentration:	NA
Viscosity:	< 125 CPS at 25.0 C (77.0 F)
Octanol/Water Partition Coefficient:	unknown
pH:	6 - 8
Percent Volatile:	40.00 % by weight.
VOC / Volume:	NA
Particle Size:	NP
Heat Value:	NA
Corrosion Rate:	NE

Section 10 Stability and reactivity

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	No dangerous reactions are known.
Incompatibility – Materials To Avoid:	None known.
Hazardous Decomposition Or Byproducts:	No data available. None known.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid-Hazardous Reactions:	No data available.

Section 11 Toxicological information

Toxicological Information: Epidemiology: No data available.
Teratogenicity: No data available.
Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies:
CAS# 31512-74-0:

Irritation or Corrosion: Acute toxicity, LD50, Oral, Rat, 1850. MG/KG.
Result:

Product name **ClearView Poly Power 30**

Revision date **4-29-15**

Section 11 Toxicological information (Continued)

Behavioral: Convulsions or effect on seizure threshold.
Gastrointestinal:Hypermotility, diarrhea.
Nutritional and Gross Metabolic:Changes in:Body temperature increase.
- Farm Chemicals Handbook., Meister Pub., 37841 Euclid Ave., Willoughy, OH 44094, Vol/p/yr: -,C326, 1991

Acute toxicity, LD50, Skin, Species: Rabbit, > 2.000 GM/KG.
Result:
Liver: Fatty liver degeneration.
Kidney, Ureter, Bladder:Other changes.
Blood:Other changes.
- Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,201, 1992

Symptoms related to Toxicological No data available.

Characteristics: Chronic Toxicological No data available.

CAS#	CHEMICAL NAME	NTP	IARC	ACGIH	OSHA
31512-74-0	Poly(oxyethylene(dimethylimino)ethylene(dimethylimino)ethylene dichloride)	NA	NA	NA	NA

Section 12 Ecological information

General Ecological Information: No data available.

Results of PBT and VPvB assessment: No information available.
CAS# 31512-74-0:

LC50, Fathead Minnow (Pimephales promelas), larva(e), 353.0 UG/L, 48 H, Mortality; The Acute and Chronic Effects of a Polyquaternary Ammonium Molluscicide Poly[Oxyethylene(Dimethyliminio)Ethylene-(Dimethyliminio)Ethylene Dichloride], Giltner, J.H.J., and P.C. Baumann, 1991

LC50, Rainbow Trout (Oncorhynchus mykiss), 44.00 UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L.
Result:
Morphological changes.
- Toxicity of Candidate Molluscicides to Zebra Mussels (Dreissena polymorpha) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

LC50, Harlequinfish, Red Rasbora (Rasbora heteromorpha), 660.0 UG/L, 24 H, Mortality, Water temperature: 20.00 C (68.0 F) C, pH: 8.10, Hardness: 20.00 MG/L; Acute Toxicity of 102 Pesticides and Miscellaneous Substances to Fish, Tooby, T.E., P.A. Hursey, and J.S. Alabaster, 1975

LC50, Channel Catfish (Ictalurus punctatus), 3350. UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L.

Product name **ClearView Poly Power 30**

Revision date **4-29-15**

Section 12 Ecological information (Continued)

Result:
Morphological changes.
- Toxicity of Candidate Molluscicides to Zebra Mussels (Dreissena polymorpha) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

LC50, Zebra Mussel (Dreissena polymorpha), 60000. UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L.
Result:
Morphological changes.
- Toxicity of Candidate Molluscicides to Zebra Mussels (Dreissena polymorpha) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

Effective concentration to {0} % of test organisms, Zebra Mussel (Dreissena polymorpha), 2000. UG/L, 250 H, Behavior, Water temperature: 20.00 C (68.0 F) - 22.00 C (71.6 F) C, pH: 7.80, Hardness: 100.00 MG/L.
Result:
No loss of equilibrium observed.
- Control of the Biofouling Mollusc, Dreissena polymorpha (Bivalvia: Dreissenidae), with Sodium Hypochlorite and with Polyquaternary Ammonia and Benzothiazole Compounds, Martin, I.D., G.L. Mackie, and M.A. Baker, 1993

LC50, Water Flea (Ceriodaphnia dubia), neonate, 218.0 UG/L, 48 H, Mortality; The Acute and Chronic Effects of a Polyquaternary Ammonium Molluscicide Poly[Oxyethylene(Dimethyliminio)Ethylene-(Dimethyliminio)Ethylene Dichloride], Giltner, J.H.J., and P.C. Baumann, 1991

Persistence and Degradability: No information available.
Bioaccumulative Potential: Toxic to aquatic life. Unknown Effect.
Mobility in Soil: Unknown Effect.

Section 13 Disposal considerations

Waste Disposal Method:
Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.
Discarded product, as sold, would not be considered a RCRA Hazardous Waste. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Empty drums should be completely drained and properly bunged, then promptly returned to a drum reconditioner, or properly disposed of.

Product name **ClearView Poly Power 30**

Revision date **4-29-15**

Section 14 Transport information

GHS Classification: Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed
Aquatic Toxicity (Acute), Category 1 - Warning! Very toxic to aquatic life

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not regulated as a hazardous material.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):
TDG Shipping Name: Not regulated as a hazardous material.

LAND TRANSPORT (European ADR/RID):
ADR/RID Shipping Name: Not regulated as a hazardous material.
UN Number:
Hazard Class:

MARINE TRANSPORT (IMDG/IMO):
IMDG/IMO Shipping Name: Not regulated as a hazardous material.

AIR TRANSPORT (ICAO/IATA):
ICAO/IATA Shipping Name: Non-Hazardous for Air Transport.

Section 15 Regulatory information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS#	CHEMICAL NAME	S.302 (EHS)	S.304 RQ	S.313 (TRI)
31512-74-0	Poly[oxyethylene(dimethylimonio)ethylene(dimethylimonio)ethylene dichloride]	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:
[X] Yes [ ] No Acute (immediate) Health Hazard
[ ] Yes [X] No Chronic (delayed) Health Hazard
[ ] Yes [X] No Fire Hazard
[ ] Yes [X] No Sudden Release of Pressure Hazard
[ ] Yes [X] No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
31512-74-0	Poly(oxyethylene(dimethylimino)ethylene(dimethylimino)ethylene dichloride)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
31512-74-0	Poly(oxyethylene(dimethylimino)ethylene(dimethylimino)ethylene dichloride)	Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: No; China IECSC: Yes; Japan ENCS: No; Korea ECL: Yes - KE-28990; Philippines ICCS: No; Taiwan TCSCA: Yes; REACH: Yes - (P)

Product name **ClearView Poly Power 30**

Revision date **4-29-15**

Section 15 Regulatory information (Continued)

Regulatory Information:
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

WARNING
May be fatal if swallowed or absorbed through the skin
Harmful if inhaled
Causes skin irritation
Causes substantial but temporary eye injury
This pesticide is extremely toxic to fish.

Regulatory Information Statement:
Regulatory information provided in this SDS was prepared for this product and is to be used only for the product in its present form, If this material is used as a component in another material or altered in any way, the information in this SDS may no longer be applicable. This document was generated for the purpose of distributing health, safety and environmental data.

Section 16 Other information

HMIS RATING
HEALTH: 1
FLAMMABILITY: 0
PHYSICAL HAZARD: 0
PPE: B

NFPA RATING
HEALTH: 1
FLAMMABILITY: 0
INSTABILITY: 0

DATE OF PREPARATION
4-29-2015

THE INFORMATION SUPPLIED ABOVE IS PRESENTED IN GOOD FAITH AND HAS BEEN DERIVED FROM SOURCES BELIEVED TO BE RELIABLE, HOWEVER, NO WARRANTY EXPRESSED OR IMPLIED IS EXTENDED REGARDING ITS ACCURACY OR THE RESULTS TO BE OBTAINED FROM ITS USE SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL. ALL RISKS ARE ASSUMED BY THE USER.

SAFETY DATA SHEET

Product name ClearView Chlor Free Shock&Swim 15

Revision date 6-30-15

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

Product ID: **Chlor Free Shock&Swim 15**
Chemical Name and Synonyms: Potassium Monopersulfate Compound
Chemical Formula: Proprietary
Chemical Family: Peroxygen Salt
Product Use: Shock Oxidizer Removes Organic Contaminants

Supplier: **Oreq Corporation**
42306 Remington Ave.
Temecula, CA 92532
951-296-5076

Emergency Telephone# **CHEMTREC 800-424-9300**

Product hazard category

Acute toxicity (Oral)	Category 4
Skin corrosion	Category 1B
Serious eye damage/eye irritation	Category 1

SIGNAL WORD: **DANGER**

HAZARD PICTOGRAMS:

Hazardous prevention measures:

P260- Do not breathe dust or mist.
P264- Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P301+330+331- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353- IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+312- IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P305+351+338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307+311- Immediately call a POISON CENTER or doctor/ physician.
P362+364- Take off contaminated clothing and wash it before reuse.
P405- Store locked up.
P501- Dispose of contents/ container to an approved waste disposal plant.

Product name **ClearView Chlor Free Shock&Swim 15**

Revision date **6-30-15**

COMPONENT	%	CAS#
Potassium Monopersulfate	45%	70693-62-8
Inert ingredients	55%	Proprietary

The exact formulation is being withheld as a trade secret.
While some substances are claimed as trade secret in accordance with the provision of OSHA 29 CFR 1910.12009i), all known hazards are clearly communicated within this document.

General advice : When symptoms persist or in all cases of doubt seek medical advice.

Inhalation : Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

Skin contact : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctore for treatment advice.
immediately. Wash contaminated clothing before re-use.

Eye contact : Hold Eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Ingestion : 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. Do not give anything by mouth to an unconscious person.

Most important: symptoms/effects, acute and delayed No applicable data available.

Protection of first-aiders: No applicable data available.

Notes to physician : No applicable data available.

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Carbon dioxide (CO2)

Specific hazards : The product itself does not burn.
Hazardous decomposition products Oxygen, Sulphur dioxide, Sulfur trioxide

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective suit.

Further information : No applicable data available.

Product name **ClearView Chlor Free Shock&Swim 15**

Revision date **6-30-15**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel): Evacuate personnel to safe areas. Use personal protective equipment.

Environmental precautions : Try to prevent the material from entering drains or water courses.

Spill Cleanup: Sweep up and shovel into suitable containers for disposal. Avoid dust formation. After cleaning, flush away traces with water.

Accidental Release Measures: Try to prevent the material from entering drains or water courses. Dispose of in accordance with local regulations.

Handling: Use only in well-ventilated areas. Do not breathe dust. Avoid dust formation in confined areas. Avoid contact with skin and eyes. Keep away from heat and flame. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice

Handling (Physical Aspects): No applicable data available.
Dust explosion class: No applicable data available.

Storage: Keep in a dry, cool and well-ventilated place. Protect from contamination. Store in original container. Keep away from: Combustible material Never allow product to get in contact with water during storage. Stable under recommended storage conditions.

Storage period: No applicable data available.
Storage temperature: No applicable data available

Engineering controls: Ensure adequate ventilation.

Personal protective equipment

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection: Material: Impervious gloves
Eye protection : Wear safety glasses or coverall chemical splash goggles.
Skin and body protection: Where there is potential for skin contact, have available and wear as appropriate, impervious gloves, apron, pants, jacket, hood and boots. Remove and wash contaminated clothing before re-use.
Protective measures: When using do not eat or drink. Do not breathe dust.

Exposure Guidelines

Exposure Limit Values

Potassium Monopersulfate-

Pentapotassium bis(peroxymonosulphate) bis(sulphate)
AEL * (DUPONT) 1 mg/m3 15 minute TWA

Dipotassium peroxodisulphate

TLV	(ACGIH)	0.1 mg/m3	TWA as persulfate

Potassium sulfate

AEL *	(DUPONT)	10 mg/m3	8 hr. TWA

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

Appearance (Physical state, form, colour, etc.)

Form	: Solid form, granular
Color	: white
Odor	: none
Odor threshold	: No applicable data available.
pH	: 2.1 at 30 g/l 20 °C (68 °F)
Melting point/freezing point	: Melting point Decomposes before melting.
Boiling point/boiling range	: Boiling point Not applicable
Flash point	: does not flash
Evaporation rate	: No applicable data available.
Flammability (solid, gas)	: The product itself does not burn, but it is slightly oxidising (active oxygen content ca. 2%). The product is not flammable.
Upper explosion limit	: No applicable data available.
Lower explosion limit	: No applicable data available.
Vapor pressure	: < 0.0000017 hPa
Vapour density	: No applicable data available.
Density	: No applicable data available.
Specific gravity (Relative density)	: 2.35 at 20 °C (68 °F)
Bulk density	: 1,100 - 1,400 kg/m3
Water solubility	: 297 - 357 g/l at 22 °C (72 °F)
Solubility(ies)	: No applicable data available.
Partition coefficient: n-octanol/water	: No applicable data available.
Ignition temperature	: no data available
Auto-ignition temperature	: No applicable data available.
Decomposition temperature	: No applicable data available.
Viscosity	: No applicable data available.
Oxidizing Substance	: The substance or mixture is not classified as oxidizing.

Reactivity:	Stable under recommended storage conditions.
Stability:	Stable under normal conditions.

Product name **ClearView Chlor Free Shock&Swim 15**

Revision date **6-30-15**

Possibility of hazardous reactions No applicable data available.

Conditions to avoid: Temperature > 50 °C (> 122 °F) Avoid extreme heat.

Incompatibility: Halogenated compounds Cyanides, Heavy metal salts

Hazardous decomposition products: Oxygen , Sulfur dioxide, Sulfur trioxide products

Potassium Monopersulfate

Monopersulfate compound

Inhalation 4 h LC50: > 5 mg/l, rat
Skin irritation: Species: rabbit, Causes burns.
Eye irritation: Species: rabbit, Severe eye irritation
Sensitisation: Species: guinea pig, Did not cause sensitization on laboratory animals.

May cause sensitization of susceptible persons by skin contact or by inhalation of dust.

Pentapotassium bis(peroxymonosulphate) bis(sulphate)

Dermal LD50: > 11,000 mg/kg, rabbit
Oral LD50: 200 - 2,000 mg/kg, rat Gastrointestinal ulceration Internal bleeding
Repeated dose toxicity: Inhalation
Eyes, corneal damage, Reversible
Oral
Stomach, Pathologic changes

Mutagenicity: Did not cause genetic damage in cultured bacterial cells., Tests on mammalian cell cultures showed mutagenic effects., Evidence suggests this substance does not cause genetic damage in animals.

Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Dipotassium peroxodisulphate

Dermal LD50: > 10,000 mg/kg , Rabbit
Oral LD50: 1,130 mg/kg , Rat
Repeated dose toxicity: Oral Rat-
NOAEL: 131.5 mg/kgMethod: OECD Test Guideline 407
No toxicologically significant effects were found.
Carcinogenicity: Not classifiable as a human carcinogen.
Animal testing did not show any carcinogenic effects. Information given is based on data obtained from similar substances.

Mutagenicity: Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Information given is based on data obtained from similar substances.

Reproductive toxicity: No toxicity to reproduction Animal testing showed no reproductive toxicity. Information given is based on data obtained from similar substances.

Teratogenicity: Animal testing showed no developmental toxicity. Information given is based on data obtained from similar substances.

Tetra[carbonato(2-)]dihydroxypentamagnesium

Oral LD50: > 2,000 mg/kg , Rat

	Information given is based on data obtained from similar substances.
Repeated dose toxicity:	Oral, Rat - 90 d NOAEL: 1,531 mg/kgMethod: OECD Test Guideline 408 No toxicologically significant effects were found., Information given is based on data obtained from similar substances.
Carcinogenicity:	Not classifiable as a human carcinogen. Information given is based on data obtained from similar substances. Animal testing did not show any carcinogenic effects.
Mutagenicity:	Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Evidence suggests this substance does not cause genetic damage in animals. Information given is based on data obtained from similar substances.
Reproductive toxicity:	No toxicity to reproduction Information given is based on data obtained from similar substances. Animal testing showed no reproductive toxicity.
Teratogenicity:	Information given is based on data obtained from similar substances. Animal testing showed no developmental toxicity.

Carcinogenicity
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.

Potassium Monopersulfate

Aquatic Toxicity
Pentapotassium bis(peroxymonosulphate) bis(sulphate)

96 h LC50:	Cyprinodon variegatus (sheepshead minnow) 1.09 mg/l Directive 67/548/EEC, Annex V, C.1.
96 h ErC50:	Selenastrum capricornutum (green algae) > 1 mg/l OECD Test Guideline 201
72 h NOEC:	Selenastrum capricornutum (green algae) 0.5 mg/l
48 h EC50:	Daphnia magna (Water flea) 3.5 mg/l OECD Test Guideline 202
37 d:	NOEC Cyprinodon variegatus (sheepshead minnow) 0.222 mg/l
28 d:	NOEC Americamysis bahia (mysid shrimp) 0.267 mg/l

Dipotassium peroxodisulphate

96 h LC50:	Oncorhynchus mykiss (rainbow trout) 76.3 mg/l US EPA Test Guideline OPP 72-1 Information given is based on data obtained from similar substances.
72 h EbC50:	Pseudokirchneriella subcapitata (green algae) 83.7 mg/l OECD Test Guideline 201 Information given is based on data obtained from similar substances.
72 h NOEC:	Pseudokirchneriella subcapitata (green algae) 39.2 mg/l OECD Test Guideline 201 Information given is based on data obtained from similar substances.
48 h EC50:	Daphnia magna (Water flea) 120 mg/l US EPA Test Guideline OPP 72-2 Information given is based on data obtained from similar substances.

Tetra[carbonato(2-)]dihydroxypentamagnesium

96 h LC50:	Pimephales promelas (fathead minnow) 2,120 mg/l

Information given is based on data obtained from similar substances.

72 h EC50: Desmodesmus subspicatus (green algae) > 100 mg/l OECD Test Guideline 201
Information given is based on data obtained from similar substances.

72 h NOEC: Desmodesmus subspicatus (green algae) 100 mg/l OECD Test Guideline 201
Information given is based on data obtained from similar substances.

48 h EC50: Daphnia magna (Water flea) 140 mg/l
Information given is based on data obtained from similar substances.

Physico-chemical removability: hydrolyses

Environmental Fate

Dipotassium peroxodisulphate

Biodegradability: Readily biodegradable.

Tetra[carbonato(2-)]dihydroxypentamagnesium

Biodegradability: The methods for determining biodegradability are not applicable to inorganic substances.

Waste Disposal Methods: Dispose of in accordance with local regulations.
Contaminated Packaging: If recycling is not practicable, dispose of in compliance with local regulations.

DOT

UN-Number: 3260
Proper shipping name: Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate Compound)
Class: 8
Packaging group: II
Labeling No.: 8

IATA_C

UN number: 3260
Proper shipping name: Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate Compound,)
Class: 8
Packaging group: II
Labeling No.: 8

IMDG

UN number: 3260
Proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Monopersulfate Compound,)
Class: 8
Packaging group: II
Labeling No.: 8

Product name **ClearView Chlor Free Shock&Swim 15**

Revision date **6-30-15**

TSCA	: On the inventory, or in compliance with the inventory
Other regulations	: Active Ingredient in this composition is POTASSIUMPEROXYMONOSULFATE, CAS. No. 10058-23-8, Concentration: 43-47% (Typical 45%) Active ingredient may also be described by the synonym POTASSIUM MONOPERSULFATE.
SARA 313 Regulated Chemical(s)	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
PA Right to Know Regulated Chemical(s)	: Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): Dipotassium peroxodisulphate
NJ Right to Know Regulated Chemical(s)	: Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): Dipotassium peroxodisulphate, Potassium hydrogensulphate
Title III hazard Classification	: Acute Health Hazard: Yes Chronic Health Hazard: No Fire: No Reactivity/Physical hazard: No Pressure: No
California Prop. 65 :	Chemicals known to the State of California to cause cancer, birth defects or any other harm: none known

DATE OF PREPARATION
6-30-2015

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