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Clearview®
MATERIAL SAFETY DATA SHEET

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SECTION I

MANUFACTURER'S NAME
Matrix Swimming Pool Solutions

EMERGENCY TELEPHONE
CHEMTREC 1-800-424-9300

TRADE NAME AND SYNONYMS
Clearview® Phos Boss

CHEMICAL NAME AND SYNONYMS
PHOSPHATE REDUCER

CHEMICAL FAMILY

FORMULA
PROPRIETARY COMPOUNDS

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT

CAS NUMBER: N/A

The precise composition of Clearview Phos Boss is proprietary information. A more complete disclosure will be made to attending physician in the event of a medical emergency involving this product. When utilized in accordance with Clearview Phos Boss instructions, Clearview Phos boss is considered to be Nontoxic and Nonhazardous.

Trace impurities: <0.02%

INGREDIENT	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Proprietary	N/A	N/A	N/A	N/A	N/A	N/A	N/A

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT
230°F (TYPICAL)

SPECIFIC GRAVITY
(H₂O=1,at 4° C): 1.12

VAPOR PRESSURE
NOT DETERMINED

VAPOR DENSITY
(Air = 1):N/A

SOLUBILITY IN WATER
COMPLETELY SOLUABLE

MELTING POINT
NOT AVAILABLE

APPEARANCE AND ODOR
CLEAR, COLORLESS WITH NO DISCERNIBLE ODOR.

EVAPORATION RATE
N/A

SECTION IV – FIRE AND EXPLOSION HAZARDS

FLASH POINT (METHOD USED)
N/A

FLAMMABLE LIMITS
N/A

EXTINGUISHING MEDIA – N/A

SPECIAL FIRE FIGHTING PROCEDURES

HAZARDOUS COMBUSTION PRODUCTS: THERMAL OXIDATIVE DECOMPOSITION OF THE PRODUCT MAY RELEASE TOXIC FUMES OF HYDROGEN CHLORIDE AND METAL OXIDE

FIRE FIGHTING INSTRUCTIONS: DO NOT RELEASE RUNOFF FROM FIRE CONTROL METHODS TO SEWERS OR WATERWAYS.

FIRE FIGHTING EQUIPMENT –

BECAUSE FIRE MAY PRODUCE TOXIC THERMAL DECOMPOSITION PRODUCTS, WEAR A SELF-CONTAINED BREATHING APPARATUS (SCBA) WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR POSITIVE-PRESSURE MODE.

UNUSUAL FIRE AND EXPLOSION HAZARDS – NONE

SECTION V – HEALTH HAZARD DATA

TOXICITY – NO DATA AVAILABLE

PRIMARY ENTRY ROUTES –BY INGESTION AND THROUGH SKIN CONTACT.

TARGET ORGANS: NONE KNOWN

EMERGENCY OVERVIEW: ACUTE EFFECTS

INHALATION: NONE **EYE:** POSSIBLE MILD AND TEMPORARY IRRITATION **SKIN:** POSSIBLE MILD IRRITANT

INGESTION: WITH SUBSTANTIAL AND /OR LONG TERM INGESTION OF THE AS-RECEIVED PRODUCT, POSSIBLE DELAYED BLOOD CLOTTING, SENSITIVITY TO HEAT, SKIN ITCHING, INCREASED ODOR AND TASTE AWARENESS, AND LIVER DAMAGE.

CARCINOGENICITY: IARC,NTP, and OSHA DO NOT LIST CLEARVIEW PHOS BOSS AS A CARCINOGEN.

MEDICAL CONDITIONS AGGRAVATED BY LONG-TERM EXPOSURE: NONE KNOWN

CHRONIC EFFECTS: THERE ARE NO KNOWN CHRONIC EFFECTS, EXCEPT AS INDICATED ABOVE UNDER ACUTE EFFECTS..

FIRST AID PROCEDURES –

INHALATION: IN THE IMPROBABLE EVENT OF PRODUCT MIST INHALATION, REMOVE THE AFFECTED INDIVIDUAL TO FRESH AIR AND PROVIDE ARTIFICIAL RESPIRATION AS REQUIRED. OBTAIN MEDICAL ATTENTION.

EYE CONTACT: FLUSH THOROUGHLY WITH WATER FOR 5 MINUTES. OBTAIN MEDICAL ATTENTION IF IRRITATION OF EYE MEMBRANES OCCURS.

SKIN CONTACT: WASH CONTACTED AREAS WITH SOAP AND WATER.

INGESTION: DRINK SEVERAL GLASSES OF WATER. OBTAIN MEDICAL ATTENTION IF GASTROINTESTINAL IRRITATION OCCURS.

After first aid, get appropriate in-plant, paramedic, or community medical support if exposure symptoms persist.

NOTE TO PHYSICIANS: UNDER NORMAL USE AND HUMAN EXPOSURE CONDITIONS, THE PRODUCT IS CONSIDERED NONTOXIC AND NONHAZARDOUS.

SECTION VI – REACTIVITY DATA

STABILITY: CLEARVIEW PHOS BOSS IS STABLE AT ROOM TEMPERATURE IN CLOSED CONTAINERS UNDER NORMAL STORAGE AND HANDLING CONDITIONS.

CONDITIONS TO AVOID: DO NOT USE AS –RECEIVED PRODUCT WITH STAINLESS STEEL STORAGE CONTAINERS OR EQUIPMENT – CHLORIDE CORROSION WILL OCCUR.

CHEMICAL INCOMPATIBILITIES:

DO NOT STORE WITH OXIDIZERS OR ACIDIC AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS – THERMAL OXIDATIVE DECOMPOSITION CAN PRODUCE FUMES OF HYDROGEN CHLORIDE AND LANTHANUM OXIDE.

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

SECTION VII – PRECAUTIONS FOR SAFE HANDLING**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED –**

CONTAINMENT:FOR ALL SPILLS, PICK UP MECHANICALLY AND PLACE IN SUITABLE CONTAINER FOR DISPOSAL. DO NOT RELEASE INTO SEWERS OR WATERWAYS.

CLEANUP: AFTER PRODUCT RECOVERY AND REMOVAL, FLUSH SPILL AREA WITH WATER TO A SANITARY SEWER.

REGULATORY REQUIREMENTS: FOLLOW APPLICABLE OSHA REGULATIONS (29CFR 1910.120).

DISPOSAL: CONTACT OREQ CORP. OR YOUR LOCAL SUPPLIER OR A LICENSED CONTRACTOR FOR DETAILED RECOMMENDATIONS. RECOVERED SPILLED PRODUCT MAY BE DISPOSED OF BY EITHER LANDFILL OR INCINERATION. FOLLOW APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

DISPOSAL REGULATORY REQUIREMENTS: NONE

CONTAINER CLEANING AND DISPOSAL: THOROUGHLY CLEAN EMPTY CONTAINERS WITH WATER AND RECYCLE. DO NOT USE EMPTY CONTAINERS FOR FOOD STORAGE.

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION:

IF PRODUCT MISTING OCCURS, FOLLOW OSHA RESPIRATOR REGULATIONS (29 cfr 1910.134) AND, IF NECESSARY, WEAR A MSHA/NIOSH – APPROVED RESPIRATOR.

PROTECTIVE GLOVES

CHEMICAL GLOVES

EYE PROTECTION

SAFETY GLASSES

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING – WEAR APPROPRIATE EYE AND GLOVE PROTECTION TO MINIMIZE EXPOSURE. **STORAGE:** DO NOT STORE WITH OXIDIZING MATERIALS. KEEP CONTAINERS SEALED.

SECTION X – ECOLOGICAL INFORMATION

ECOTOXICITY: SPECIFIC DATA NOT ESTABLISHED.

ENVIRONMENTAL FATE

ENVIRONMENTAL TRANSPORT: WATER OR SOIL

ENVIRONMENTAL DEGRADATION: NOT ESTABLISHED

SOIL ABSORPTION/MOBILITY: NOT ESTABLISHED

SECTION XI– TRANSPORT INFORMATION

PROPER SHIPPING NAME- CHEMICALS NOI

SHIPPING SYMBOLS: NONE

HAZARD CLASS- NONHAZARDOUS

ID NO.: NONE

PACKAGING GROUP : N/A

LABEL: NONE

SPECIAL PROVISIONS (172.102): NONE

SECTION XII– REGULATORY INFORMATION

EPA REGULATIONS:

RCRA HAZARDOUS WASTE NUMBER: NOT LISTED (40CFR 261.33)

RCRA HAZARDOUS WASTE CLASSIFICATION (40 CFR 261): NOT CLASSIFIED

CERCLA HAZARDOUS SUBSTANCE (40CFR 302.4): UNLISTED SPECIFIC PER RCRA, SEC. 3001; CWA, SEC. 311 (b)(4);CWA, SEC. 307(a), CAA, SEC. 112

CERCLA REPORTABLE QUANTITY (RQ): NONE.

SARA 311/312 CODES: NONE.

SARA TOXIC CHEMICAL (40 CFR 372.65): NOT LISTED

SARA EHS (EXTREMELY HAZARDOUS SUBSTANCE) (40CFR 355): NOT LISTED, THRESHOLD PLANNING QUANTITY (TPQ)

OSHA REGULATIONS:

AIR CONTAMINANT (29 CFR 1910.1000, TABLE Z-1, Z-1-A): NOT LISTED

OSHA SPECIFICALLY REGULATED SUBSTANCE (29 CFR 1910): NOT LISTED.

STATE REGULATIONS: NONE

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