

MATERIAL SAFETY DATA SHEET

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1. PRODUCT NAME & HAZARD SUMMARY

6792 S.C.A.N. SOLVENT CONDITIONER AND NEUTRALIZER
 PRIMARY USE: WATER SEPARATOR ADDITIVE

| NFPA HAZARD | RATING | SARA TITLE III, SECTION 313 | CANADA (WHMIS) |
|-------------|------------|---------------------------------|---------------------------------|
| HEALTH | 1 MODERATE | APPLICABLE (X) Sodium Hydroxide | D2: CAUSING OTHER TOXIC EFFECTS |
| FIRE | 0 MINIMAL | NOT APPLICABLE () | |
| REACTIVITY | 1 SLIGHT | | |

| 2. HAZARDOUS COMPONENTS | % | OSHA (PPM) | ACGIH (PPM) | LD 50 (MG/KG) |
|---|-----|---------------|---------------------------|-------------------|
| TETRAPOTASSIUM PYROPHOSPHATE C.A.S. #7320-34-5 | 1.0 | PEL N.A.V. | TWA STEL N.A.V. N.A.V. | CORROSIVE TO SKIN |

INGREDIENTS NOT IDENTIFIED ARE NON-HAZARDOUS.

3. PHYSICAL & CHEMICAL DATA

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|----------------------------------|--|
| APPEARANCE: CLEAR, BLUE LIQUID | EVAPORATION RATE: EQUAL TO WATER |
| ODOR: MILD | VAPOR DENSITY (AIR =1): N.AP. |
| BOILING PT.: 212°F (100°C) | VAPOR PRESSURE (MM): N.AP. |
| FREEZING PT.: APPROX. 32°F (0°C) | SOLUBILITY IN WATER: COMPLETE |
| pH: 10.0 | SPECIFIC GRAVITY (WATER = 1): 1.20 |
| % VOLATILE: 80% | CO-EFFICIENT OF WATER/OIL DISTRIBUTION: N.A.V. |
| ODOR THRESHOLD (PPM): N.A.V. | |

4. FIRE & EXPLOSION HAZARDS

FLASH POINT: None
 FLAMMABLE LIMITS IN AIR, % BY VOLUME: N.AP.
 FIRE FIGHTING MEDIA (1990 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.5): Dry chemical, CO₂, water spray or alcohol foam.
 SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained breathing apparatus.
 UNUSUAL FIRE AND EXPLOSION: None
 HAZARDOUS COMBUSTION PRODUCTS: N.AP.
 CONDITIONS OF FLAMMABILITY: N.AP.
 AUTO IGNITION TEMP. (°C): N.AP.
 EXPLOSION DATA: - SENSITIVITY TO MECHANICAL IMPACT: N.AP.
 SENSITIVITY TO STATIC DISCHARGE: N.AP.

5. REACTIVITY HAZARD DATA

STABILITY (CONDITIONS TO AVOID): Stable
 INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids, aluminum
 HAZARDOUS DECOMPOSITION PRODUCTS: Phosphorus oxides
 HAZARDOUS POLYMERIZATION (CONDITIONS TO AVOID): Will not occur

6. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION__X__ SKIN__X__ INGESTION_____

WARNING! MAY CAUSE EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED.

Primary Irritation Score = 1 (Category IV, 40 CFR 156.10) per dermal administration (rabbits). This product is only a slight irritant.

SIGNS & SYMPTOMS OF EXPOSURE: (ACUTE & CHRONIC)

EYES: May cause severe eye irritation.
 SKIN: May cause severe skin irritation.
 INGESTION: May cause gastrointestinal upset.

6. HEALTH HAZARD DATA (cont'd)

INHALATION: Mist may cause irritation to the upper respiratory tract.
 IRRITANCY OF PRODUCT: Primary skin irritation study in rabbits showed low level of irritancy.
 SENSITIZATION TO PRODUCT: N.AV.
 CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY, MUTAGENICITY: N.AV.
 TOXICOLOGICALLY SYNERGISTIC PRODUCTS: N.AV.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Remove contact lenses, if worn. Flush with water for at least 15 min. Call a physician.
 SKIN: Remove any contaminated clothing, wash area with water or soap and water for at least 15 minutes, get medical attention.
 INHALATION: Remove to fresh air. If breathing has stopped, perform artificial respiration. Oxygen may be administered, if available. Get medical help.
 INGESTION: Give large amounts of water, induce vomiting. Get medical attention immediately.

7. SPILL AND LEAK PROCEDURES

LARGE SPILLS: Solution should be first neutralized with Acetic Acid and then diluted with water.
 SMALL SPILLS: Flush with water. Avoid body contact.
 WASTE DISPOSAL METHOD: May be considered a hazardous waste, dispose of according to all applicable regulations. May be flushed into sewer after neutralization.
 HANDLING PROCEDURES & EQUIPMENT: Avoid direct contact with product, use protective eye wear and gloves.
 STORAGE REQUIREMENTS: Store away from acids.

8. SPECIAL PROTECTION, PREVENTATIVE MEASURES/IN CASE OF LARGE SPILL OR FIRE

ENGINEERING CONTROLS/VENTILATION: Local exhaust system.

RESPIRATOR: THE FOLLOWING RESPIRATORS ARE RECOMMENDED & RANKED IN ORDER FROM MIN. TO MAX. PROTECTION:

CHEMICAL CARTRIDGE RESPIRATOR WITH AN ORGANIC VAPOR CARTRIDGE WITH A FULL FACE PIECE.
 GAS MASK WITH ORGANIC VAPOR CANISTER WITH A FULL FACE PIECE.
 TYPE 'C' SUPPLIED-AIR RESPIRATOR WITH FULL FACE PIECE.
 SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACE PIECE OPERATED IN PRESSURE-DEMAND

PERSONAL PROTECTIVE EQUIPMENT: Wear goggles when handling product.

9. TRANSPORTATION DATA

DOT HAZARD CLASSIFICATION 49 CFR 172.101: None, not regulated
 DOT LABEL: None
 U.N./IATA: Not regulated

10. STATE RIGHT TO KNOW INFORMATION

WATER-C.A.S. #7732-18-5, TETRA POTASSIUM PYROPHOSPHATE-C.A.S. #7320-34-5, SODIUM CITRATE-C.A.S. #6132-04-3,
 COPPER CITRATE SALTS-C.A.S. # (none)

ABBREVIATIONS:

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| OSHA = Occupational Safety & Health Administration | C.A.S. = Chemical Abstract Service Number |
| TWA = Time Weighted Average for 8 Hours | LD 50 = Lethal Dose for 50% Test Animals |
| Mg/M ³ = Milligrams per Cubic Meter of Air | PEL = Permissible Exposure Level |
| NFPA = National Fire Protection Agency | STEL = Short Term Exposure Level (15 min) |
| (C) = Ceiling, Limit for Exposure | ppm = part(s) per million |
| DOT = Department of Transportation | SKN = Skin Effects |
| MG/KG = Milligrams per Kilogram (1,000 grams) | IATA = International Air Transport Association |
| WHMIS = Workplace Hazardous Materials Information System - Canada | N.AV. = Not Available |
| ACGIH = American Conference of Government Industrial Hygienists | N.AP. = Not Applicable |
| R.Q. = Amount of spill that must be reported to EPA | U.N. = United Nations |
| SARA Title III, Sec. 313 = Superfund Amendments and Reauthorization Act | |

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