MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION

PRODUCT: CYCLE EVAP-50 P
MANUFACTURER: SHEPARD BROS., INC.
ADDRESS: 503 S. Cypress Street, La Habra, CA 90631
TELEPHONE: (562) 697-1366

DESCRIPTION: Evaporative cooling water treatment
CHEMICAL FAMILY: Polyphosphate
FORMULA: Proprietary mixture
EMERGENCY TELEPHONE NUMBER: (562) 697-1366 or (800) 424-9300

NFPA RATING: Health: 1  Fire: 0  Reactivity: 0
NFPA Hazard Rating: Extreme: 4  High: 3  Moderate: 2  Slight: 1  Insignificant: 0

SECTION II - HAZARDOUS INGREDIENTS/MIXTURES

All components of this product are considered non-hazardous under 29 CFR 1910.1200.

SECTION III - PHYSICAL DATA

BOILING POINT: > 212°F
MELTING POINT: < 32°F
VAPOR PRESSURE (mm Hg): ND
VAPOR DENSITY (Air = 1): ND
PERCENT VOLATILE BY VOLUME: ND
AUTOIGNITION TEMPERATURE: ND
FORM: Liquid
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY (WATER=1): 1.315
APPEARANCE: Transparent, yellow
ODOR: Odorless
pH (1% solution): 13.5

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD): NA

EXTINGUISHING MEDIA: Standard fire fighting media appropriate for surrounding material, including water fog, foam, dry chemical, and carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: When this product is involved in a fire, firefighters should wear protective clothing and self-contained breathing apparatus to avoid exposure to vapors or products of combustion.

UNUSUAL FIRE AND EXPLOSION HAZARD: Sealed drums can develop explosive pressures under fire conditions. Use a water spray to cool.

SECTION V - HEALTH HAZARD INFORMATION

EFFECTS OF OVEREXPOSURE:
SKIN: Mildly irritating and can cause reddening and irritation of the skin.
EYES: Irritating to the eyes resulting in irritation, reddening, and tearing.
INGESTION: Can cause irritation of the mucous membranes in the mouth, throat, esophagus, and stomach.
INHALATION: Airborne concentrations of mist or spray may cause irritation to the upper respiratory tract and lungs.

EMERGENCY AND FIRST AID PROCEDURES:
SKIN: Flush the area with flowing water for at least 15 minutes. Remove contaminated clothing and launder before reuse. Wash the exposed area with a nonabrasive soap and plenty of water.
EYES: Flush with plenty of water for at least 15 minutes, alternately lifting the upper and lower eyelids. Get medical attention if irritation persists.
INGESTION: Do NOT induce vomiting. Rinse the mouth and then have the victim drink several glasses of water. Do not give anything by mouth to an unconscious person. Get immediate medical attention.
INHALATION: Move the victim to fresh air. Give artificial respiration if breathing has stopped. Get immediate medical attention.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Strong acids and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: High temperatures and flames may produce toxic oxides of sodium, potassium, and phosphorous.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear chemically protective clothing. Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. Keep product out of sewers, watersheds, and water systems.

WASTE DISPOSAL METHOD: Material that cannot be recovered and reused should be disposed of in accordance with all Federal, State, and Local regulations.
SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type): Avoid breathing vapors or mists. Use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with dust/mist cartridges when concentrations are unknown.

VENTILATION: Provide adequate mechanical or local exhaust ventilation to minimize exposure levels, particularly in areas where the air contacts open process equipment.

PROTECTIVE GLOVES: The wearing of rubber or neoprene gloves is recommended.

EYE PROTECTION: Wear chemical splash goggles and/or full-face shield where there is potential for eye contact. An eyewash fountain should be located in areas where the product is used.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Containers should be stored in a cool, dry, well-ventilated area. Exercise due caution to prevent damage to or leakage from the container. Avoid contact with strong oxidizing agents and strong acids. Keep containers closed when not in use.

OTHER PRECAUTIONS: Use good industrial practices in the storage and distribution of this product.

SECTION X – REGULATORY INFORMATION

This product is not considered a carcinogen or cancer suspect under NTP, IARC and OSHA.

SARA Title III Section 313 (Toxic Chemicals): None listed.

SARA Title III Section 302 (Extremely Hazardous Substances): None listed

U.S. DOT PROPER SHIPPING NAME: Not regulated.

LABEL: NA

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