

OREQ CORPORATION
42306 Remington Avenue Temecula CA 92590

Pool Pals®
MATERIAL SAFETY DATA SHEET

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SECTION I

MANUFACTURER'S NAME
SHIKOKU CHEMICALS CORPORATION

EMERGENCY TELEPHONE
CHEMTREC 1-800-424-9300

TRADE NAME AND SYNONYMS
Pool Pals® Shine n Shock

EPA REG. NO. 7616-70-75538

CHEMICAL NAME AND SYNONYMS
1,3-DICHLORO-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE SODIUM SALT DIHYDRATE

CHEMICAL FAMILY
INORGANIC CHLORINE MIXTURE

FORMULA
C₃CL₂N₃O₃Na 2H₂O

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

COMPONENT
SODIUM DICHLORO-S-TRIAZINETRIONE 100%
DIHYDRATE

HAZARD DATA – THIS PRODUCT CAN INDUCE CHEMICAL BURNS AFTER CONTACT IS MADE WITH HUMAN EYE OR SKIN. THE DUST FROM THIS PRODUCT CAN IRRITATE RESPIRATORY PASSAGES.

(PEL OSHA PPM) – NOT ESTABLISHED

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT
N/A

SPECIFIC GRAVITY (H20-1)
1.95

VAPOR PRESSURE (MM Hg.)
N/A

VAPOR DENSITY (AIR=1)
0.92

SOLUBILITY IN WATER
26.2 G/100 ML H2O @25°C

MELTING POINT
DECOMPOSES AT 240°C

pH
1% SOLUTION 6.5

APPEARANCE AND ODOR
WHITE CRYSTALLINE GRANULAR WITH SLIGHT CHLORINE ODOR

EVAPORATION RATE
(BUTYL ACEATE=1) – NOT ESTABLISHED

SECTION IV – FIRE AND EXPLOSION HAZARDS

FLASH POINT (METHOD USED)
N/A

FLAMMABLE LIMITS
N/A

EXTINGUISHING MEDIA – WATER ONLY! SMOTHERING IS INEFFECTIVE, PRODUCT SUPPLIES OWN OXYGEN

SPECIAL FIRE FIGHTING PROCEDURES – QUENCH WITH MASSIVE QUANTITIES OF WATER TO EXTINGUISH THERMAL DECOMPOSING PRODUCT. WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE AND PROTECTIVE CLOTHING.

UNUSUAL FIRE AND EXPLOSION HAZARDS – HIGHLY REACTIVE OXIDIZING AND CHLORINATING AGENT. CONTACT WITH ORGANICS OR EASILY CHLORINATED MATERIAL MAY CAUSE FIRE.

SECTION V – HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE – NOT ESTABLISHED
TOXICITY – ORAL LD50 (RAT)(MG/KG): 1355 (MALE) AND 1400 (FEMALE)

ROUTES OF ENTRY – INHALATION, EYE CONTACT, SKIN CONTACT, INGESTION

EFFECTS OF OVER-EXPOSURE – INHALATION: IRRITATION, NASAL CONGESTION, COUGHING, SORE THROAT

EMERGENCY AND FIRST AID PROCEDURES – SKIN CONTACT; WASH WITH LARGE AMOUNTS OF SOAP AND WATER. EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES AND CALL PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. FEED PERSON BREAD SOAKED IN MILK, FOLLOWED BY OLIVE OR COOKING OIL AND GET MEDICAL ATTENTION. INHALATION: REMOVE VICTIM TO FRESH AIR, CONSULT PHYSICIAN.

SECTION VI – REACTIVITY DATA

STABILITY

STABLE UNDER DRY CONDITIONS

CONDITIONS TO AVOID

SEE INCOMPATIBILITY SECTION

INCOMPATIBILITY – CONTACT WITH MOST ORGANIC MATTER OR EASILY CHLORINATED OR OXIDIZED MATERIALS MAY RESULT IN FIRE. CONTACT WITH AMMONIA, UREA OR SIMILAR COMPOUNDS WHICH CONTAIN NITROGEN MAY FORM NITROGEN TRICHLORIDE, A HIGHLY EXPLOSIVE COMPOUND. CONTAMINATION WITH OILS AND GREASES MAY CAUSE DECOMPOSITION WITH FORMATION OF CO₂ AND CL₂. THIS PRODUCT MAY FORM AN EXPLOSIVE MIXTURE WITH CALCIUM HYPOCHLORITE IN A FORMULATION CONTAINING THIS MATERIAL AS THE MAJOR COMPONENT. ALKALINE MATERIALS SUCH AS SODA ASH (Na₂CO₃) IN THE PRESENCE OF MOISTURE MAY CAUSE VOILENT DECOMPOSITION.

HAZARDOUS DECOMPOSITION PRODUCTS

NITROGEN TRICHLORIDE, CHLORINE, CYANURIC ACID

HAZARDOUS POLYMERIZATION - WILL NOT OCCUR

SECTION VII – PRECAUTIONS FOR SAFE HANDLING

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED – SWEEP UP LEAKS OR SPILLS OF THE PRODUCT WITH DRY BROOM AND DISSOLVE IN WATER, THEN NEUTRALIZE THIS SOLUTION WITH SODIUM THIOSULFATE OR SODIUM PERCARBONATE.

WASTE DISPOSAL METHOD – ADD THIS PRODUCT INTO DILUTED SOLUTION OF SODIUM HYDROXIDE OR SODA ASH WHILE STIRING GRADUALLY AND NEUTRALIZE THAT SOLUTION WITH REDUCTION AGENTS SUCH AS SODIUM THIOSULFATE OR SODIUM PERCARBONATE. ADJUST 'pH WITH SULFURIC ACID OR HYDROCHLORIC ACID TO MAKE NEUTRAL SOLUTION AND DISPOSE.

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION

NIOSH APPROVED RESPIRATOR

VENTILATION

LOCAL EXHAUST – NEEDED IN AREAS WHERE DUST OR MIST PREVIAL

SPECIAL – NONE

MECHANICAL – USE FOR GENERAL AREA CONTROL

OTHER - NONE

PROTECTIVE GLOVES

USE IMPERVIOUS GLOVES

EYE PROTECTION

CHEMICAL TIGHT GOGGLES

OTHER PROTECTIVE EQUIPMENT

BOOTS, APRONS, OR CHEMICAL SUITES

PERSONAL PROTECTIVE CLOTHING AND USE OF EQUIPMENT MUST BE IN ACCORDANCE WITH 29 CFR 1910.132 & 29 CFR 1910.133.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING – DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. KEEP IN ORIGINAL CONTAINER IN A COOL DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP AWAY FROM HEAT SOURCES, SPARKS, OPEN FLAMES AND LIGHTED TOBACCO PRODUCTS. USE ONLY A CLEAN DRY SCOOP MADE OF METAL OR PLASTIC EACH TIME THIS PRODUCT IS TAKEN FROM CONTAINER. DO NOT ADD THIS PRODUCT TO ANY DISPENSING DEVICE CONTAINING REMNANTS OF ANY OTHER PRODUCT, THIS MAY CAUSE VIOLENT REACTIONS OF FIRE OR EXPLOSION. ADD THIS PRODUCT ONLY TO WATER. IT MAY CAUSE FIRE OR EXPLOSION IF MIXED WITH MATERIALS SUCH AS OIL, KEROSENE, GASOLINE, PAINT PRODUCTS AND MOST OTHER ORGANIC MATERIALS. WASH HANDS AFTER HANDLING. STORE OUT OF REACH OF CHILDREN.

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