



PPS PACKAGING COMPANY

3189 E. Manning Ave. • P.O. Box 427 • Fowler, CA 93625-0427

Phone (559) 834-1641 • Fax (559) 834-2011

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Cooler Guard

APPLICATION(S): Cooler water treatment that reduces calcium, mineral and rust deposits as well as improves cooler efficiency.

PPS PART NUMBER(S): 303-PT (1-Pint), 303-0 (1-Quart), 303-1 (1-Gallon)

MANUFACTURER: PPS Packaging Company
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EMERGENCY PHONE: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: May enter body via skin, mouth or eyes

POTENTIAL HEALTH EFFECTS

EYES: May cause redness, pain and blurred vision; prolonged contact may cause corneal injury.

SKIN: May cause burning, irritation, redness, and brown/yellow stains. Concentrated solutions or prolonged exposure may cause chemical burns resulting in blistering or dermatitis.

INGESTION: May cause severe irritation or burns of the mouth, throat and esophagus. Gastrointestinal irritation may also occur with symptoms such as nausea, vomiting and diarrhea.

INHALATION: May cause irritation of the nose, throat and respiratory tract; symptoms can include sore throat, coughing and shortness of breath. At high concentrations, ulceration and perforation of the nasal septum and upper respiratory tract can occur. In severe cases, pulmonary edema may occur that could potentially lead to death.

**MEDICAL CONDITIONS
GENERALLY AGGRAVATED BY
EXPOSURE:** Skin irritation may be aggravated in individuals with existing skin lesions. Breathing of vapors or sprays (mists) may aggravate acute or chronic asthma and chronic pulmonary disease such as emphysema and bronchitis.

CARCINOGENICITY: Not determined

TERATOGENICITY: Not determined

MUTAGENICITY: Not determined

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>
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Liquid Dye (Red)	-	0-1	-	-	-
Sulfamic Acid (H ₃ NSO ₃)	5329-14-6	0-3	-	-	-
H ₂ O	7732-18-5	96-98	-	-	-

SECTION 4: FIRST AID MEASURES

INHALATION:	Remove source of contamination or move victim to fresh air. Apply artificial respiration if victim is not breathing. In case of inhalation, do not use mouth-to-mouth resuscitation; induce artificial respiration with respiratory medical device. Administer oxygen if breathing is difficult; get immediate medical attention.
INGESTION:	DO NOT INDUCE VOMITING, DO NOT USE MOUTH-TO-MOUTH RESUSCITATION. If conscious, give large amounts of water; get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person. Contact a physician or poison control center immediately.
SKIN:	Immediately wash with large amounts of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing.
EYES:	Flush with large amounts of water, lifting the upper and lower eyelids occasionally. Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Cooler Guard is non combustible. Use extinguishing media appropriate for surrounding fire; use water to cool fire-exposed containers and to protect personnel.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained breathing apparatus should be used if product is involved in fire. Use water spray to cool nearby containers and structures exposed to fire. Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Cooler Guard is corrosive and presents a severe inhalation and contact hazard to firefighters. Aqueous solutions of sulfamic acid are highly corrosive, which react violently with bases. When involved in a fire, this material may decompose and produce corrosive and/or toxic gases.
NFPA HAZARD CLASSIFICATION:	Health: 3 Flammability: 0 Reactivity: 0

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL CLEAN-UP PROCEDURES:	For small spills, cover Cooler Guard with dry earth, sand or other non-combustible material. Use clean, non-sparking tools to collect material and place it into loosely covered plastic containers for later disposal. Remove soiled clothing and clean before reuse. Dispose of waste in accordance with Federal, State and Local regulations.
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SECTION 7: HANDLING AND STORAGE

HANDLING:	Wear appropriate personal protection equipment. Do not breathe sprays or mists; avoid all contact with skin and eyes. Use this product only with adequate ventilation; wash thoroughly after handling.
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STORAGE: Keep container tightly closed when not in use. Store containers in a cool, dry location away from direct sunlight or sources of intense heat, or where freezing is possible. Cooler Guard should be stored away from incompatible materials. KEEP OUT OF THE REACH OF CHILDREN.

OTHER PRECAUTIONS: Never store food, feed or drinking water in containers which held this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Do not use product in an enclosed area; ventilation is required

RESPIRATORY PROTECTION: None required while threshold limits are kept below maximum allowable concentrations.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Coveralls, aprons or other equipment should be worn to minimize skin contact

EYE PROTECTION: Safety glasses or goggles

SKIN PROTECTION: Wear chemical resistant gloves such as Neoprene or Nitrile rubber

WORK HYGIENIC PRACTICES: Practice safe workplace habits; minimize body contact with this as well as all chemicals in general.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE: Liquid

COLOR: Clear / Light Red

ODOR: Slight Odor / Odorless

ODOR THRESHOLD: Not determined

pH: Not determined

MELTING/FREEZING POINT: Not determined

BOILING POINT AND RANGE: Not determined

FLASH POINT: Non-flammable

EVAPORATION RATE: <1

FLAMMABILITY: Not determined

UPPER/LOWER FLAMMABILITY OR EXPOSURE LIMITS: Not determined

VAPOR PRESSURE: Not determined

VAPOR DENSITY: Not determined

RELATIVE DENSITY: Not determined

SOLUBILITY: Insoluble in water

AUTO-IGNITION TEMPERATURE: Not determined

DECOMPOSITION TEMPERATURE: Not determined

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Not determined
STABILITY:	Stable
HAZARDOUS REACTIONS:	Not determined
CONDITIONS TO AVOID:	Avoid generating airborne dust
INCOMPATIBLE MATERIALS:	Chlorine and chlorine compounds, cyanides, sulfides, nitrites, nitrates, carbonates, metal oxides, strong oxidizing agents, and strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon oxides, nitrogen oxides, sulfur oxides, and ammonia. Aqueous solutions of sulfamic acid slowly hydrolyze to form ammonium sulfate and ammonium bisulfate.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Harmful or fatal if swallowed. Product is an eye and skin irritant, and can cause burns. Ingestion can result in severe gastric distress with possible circulatory collapse, kidney failure, and liver and heart damage.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Harmful to aquatic life in very low concentrations. Toxic to fish and marine organisms when applied to streams, rivers, ponds, or lakes.

BIOACCUMULATION: Not determined

BIODEGRADABILITY: Not determined

ACUTE AQUATIC TOXICITY: Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State and Local regulations. Material can be converted to less hazardous material by weak reducing agents followed by neutralization.

SECTION 14: REGULATORY INFORMATION

U.S. FEDERAL REGULATORY STATUS: This product or its components, if a mixture, is subject to the following regulations (not meant to be all inclusive - selected regulations represented): SECTION 313 - This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

STATE REGULATORY STATUS: This product or its components, if a mixture, is subject to the following regulations (not meant to be all inclusive - selected regulations represented): PROPOSITION 65 - This product contains toxic chemical(s) considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required.

REGULATORY STATUS: The information represented in this form is believed to be correct and sufficient to meet the requirements of OSHA Hazard Communication Standard (29 CFR 1910.1200) concerning workers' right-to-know.

SECTION 15: OTHER INFORMATION

PREPARATION INFORMATION: The information contained herein is based on the data available to PPS

Packaging and is believed to be accurate; however, PPS Packaging makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof.

DATE PREPARED: 12/13/2013

DATE REVISED: 1/31/2014

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