



Section 1 - Identification

Product Name: CPL 2704
Alternate Name: Sulfite Oxygen Scavenger 19% SO₃ pH 6.5
Recommended Use: Boiler water treatment
Manufacturer: Chem Pro Laboratory, Inc., 941 W 190th St, Gardena CA 90248, 310-532-8611
ChemTrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

DANGER



Harmful if swallowed

Causes severe skin burns and serious eye damage

Do not breathe dusts or mists.

Do not eat, drink or smoke when using this product.

Wash contacted areas thoroughly after handling.

Wear eye and face protection, and protective gloves and clothing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with plenty of water. Wash contaminated clothing before reuse.

IF SWALLOWED: Immediately call a poison center or doctor. Rinse mouth. Do NOT induce vomiting.

Store locked up.

Dispose of contents/container in accordance with federal, state, and local regulations.

Section 3 - Composition/information on ingredients

Chemical Name	CAS Number	Percent
sodium bisulfite	7631-90-5	60-70%
potassium hydroxide	1310-58-3	1-5%

Section 4 - First-aid measures

Emergency and First Aid Procedures:

Inhalation

If inhaled, remove person to fresh air. Get medical attention if discomfort persists.

Eye Contact

Immediately flush eyes with large amounts of water for a minimum of 15 minutes. Get medical attention immediately.

Skin Contact

Immediately flush all affected areas with large amounts of water. Remove contaminated clothing and shoes. Get medical attention immediately. Wash contaminated items before reusing. Properly dispose of



Ingestion	Do not induce vomiting. Give conscious patients several glasses of water. If vomiting does occur, give fluids again. Place patient in a stable side position and keep warm. Do not give anything by mouth
Symptoms of Overexposure:	
Inhalation	May cause irritation to the respiratory tract.
Contact with Skin or Eyes	May cause irritation and/or burns.
Absorption Through Skin	May cause irritation.
Ingestion	May cause irritation to the gastrointestinal tract. Very large doses may cause diarrhea, depression, colic and death. May also cause severe allergic reaction in some asthmatics and sulfite sensitive individuals.

Section 5 - Fire-fighting measures

Extinguishing Media	water spray, dry chemical, or appropriate foam
Fire Fighting Procedure	Wear impervious protective clothing and use self contained breathing apparatus.
Unusual Fire/Explosion Hazard	Firefighters should wear NIOSH approved self contained breathing apparatus and impervious protective clothing.
Hazardous Combustion Products	Substance is noncombustible

Section 6 - Accidental release measures

Spill Response Procedure	Dike area to contain spill. Only trained personnel equipped with appropriate respirators should be permitted in the area. Reclaim spoiled material if possible. Or dilute material with a large quantity of water, then neutralize with soda ash. After all vis
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Section 7 - Handling and storage

Handling Precautions	No special handling procedures are required.
Storage Conditions	Store in a cool dry place. Keep container tightly sealed in a dry and ventilated area. Do not store unopened containers in direct sunlight for extended periods.

Section 8 - Exposure controls/personal protection

Chemical Name	OSHA PEL	ACGIH TLV
sodium bisulfite	5 mg/m3 TWA	5 mg/m3 TWA
potassium hydroxide	not listed	2 mg/m3 (C)
Ventilation	Local and mechanical (general) exhaust required.	
Respiratory Protection	Although not normally needed, if the material is used where mechanical ventilation is not available, use NIOSH/MSHA approved combination dust, acid-mist/fume respirators to reduce exposure.	
Protective Gloves	Wear chemical resistant gloves.	
Eye Protection	Chemical safety goggles and a full length face shield.	
Other Protective Equipment	Chemical suit, rubber boots, full length face shield.	
Work / Hygienic Practices	Handle with care. Avoid eye and skin contact.	

Section 9 - Physical and chemical properties

Appearance	Yellow liquid.	Vapor Pressure @20°C	3-6
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Odor	Sulfur dioxide gas odor	Vapor Density	Approx. equal to water
Odor Threshold	Not Determined	Specific Gravity	1.22-1.31
pH	6-8	Solubility in Water	Soluble
Melting Point, °F	N/A	Partition Coefficient	Not Determined
Boiling Point, °F	102 deg C	Auto Ignition Temp, °F	N/A
Flash Point, °F	Not Flammable	Decomposition Temp, °F	Not Determined
Evaporation Rate	N/A	Viscosity	Not Determined
Flammability Limits	N/A	Percent Volatile	About 60%

Section 10 - Stability and reactivity

Reactivity	in water: N/A
Stability	stable under normal conditions
Conditions to Avoid	Temperature at or near boiling (102 deg C) causes evolution of toxic and corrosive sulfur dioxide gas. (low levels of sulfur dioxide are evolved slowly at ambient temperatures.)
Incompatible Materials	Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products	Sulfur dioxide gas.
Hazardous Polymerization	Hazardous polymerization will not occur.

Section 11 - Toxicological information

Routes of Entry	inhalation, skin or eye contact, ingestion
Acute Exposure Symptoms	Toxicological information not determined; toxicity expected to be low.
Chronic Exposure Effects	Not Determined.
Medical Conditions Aggravated By Exposure	None reported.

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
sodium bisulfite	7631-90-5	2000 mg/kg	no data	no data
potassium hydroxide	1310-58-3	273 mg/kg	no data	no data

Carcinogenicity:

Ingredients are on the following lists of suspected or known carcinogens:

Chemical Name	CAS Number:	IARC	NTP	OSHA
sodium bisulfite	7631-90-5	No	No	No
potassium hydroxide	1310-58-3	No	No	No

Section 12 - Ecological information

Overview: No data

Section 13 - Disposal considerations

Preparing Waste For Disposal Dispose of in accordance with federal, state, and local laws and regulations.

Section 14 - Transport information

DOT Shipping UN2693, BISULFITE SOLUTION, CORROSIVE, N.O.S., 8, PG III, (SODIUM BISULFITE)



Section 15 - Regulatory information

California Proposition 65 This product does not contain chemicals listed by California proposition 65.
HMIS Ratings Health: 2, Flammability: 1, Reactivity: 0

Section 16 - Other information

Date Prepared 5/21/2015
Preparer Michael Bortnik, Keith Johnson

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