SAN JOAQUIN CHEMICALS INC 4684 E HEDGES AVENUE FRESNO, CA 93703

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: SANATOX 2090

Product Code: 27

Product Use: Microbiocide for water treatment

Chemical Family: Oxidizer

Registration Number: 63838-4

SAN JOAQUIN CHEMICALS INC
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(800)647-9577

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SECTION 2 - HAZARDS IDENTIFICATION

Classification of the Substance or Mixture:

Skin Corrosion - Category 1
Serious Eye Damage - Category 1
Corrosive to Metals - Category 1
Oxidizing Solids - Category 3
Acute Toxicity - Oral Category 4
Acute Toxicity - Inhalation Category 4

Signal Word: DANGER

Hazard Statements:

Causes severe skin burns and eye damage
May be corrosive to metals
May intensify fire; oxidizer
Harmful if swallowed
Harmful if inhaled

Precautionary Statements:

Prevention

Keep away from heat/sparks/open flames/hot surfaces - No smoking.
Keep/Store away from clothing/combustible materials.
Take any precaution to avoid mixing with combustibles.
Wash hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection.
Keep only in original container.
Do not eat, drink or smoke when using this product.
Do not breathe dust/fume/gas/mist/vapors/spray.

Response

In case of fire: Use CO2/dry chemical/foam for extinction.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.
Specific treatment (see section 4 First Aid).

Storage

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Store in a corrosive resistant container with a resistant inner liner.

Store locked up.

Disposal

Dispose of contents/container in accordance with local regulations.

Hazards not Otherwise Classified:

No other hazards classified.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Synonym	CAS Number	Concentration
1-BROMO-3-CHLORO-5,5-DIMETHYLHYDANTOIN	BCDMH	32718-18-6	>97%

SECTION 4 - FIRST-AID MEASURES

Inhalation: Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

Skin Contact: Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water/shower with a flushing duration of 30 minutes. Immediately call POISON CENTER/doctor. Wash contaminated clothing before re-use.

Eye Contact: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 60 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. Immediately call a POISON CENTER/doctor. Continue rinsing until medical aid is available.

Ingestion: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

Most Important Symptoms and Effects, both Acute and Delayed: Contact with skin/eyes can cause irritation or severe burns and scarring with greater exposures. Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Use water spray, powder, foam, carbon dioxide.

Special hazards arising from the substance of mixture: Product is non-combustible. On decomposition releases oxygen which may intensify fire.

Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012): Non flammable

Hazardous Combustion Products: Non combustible

Special protective equipment and precautions for firefighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Methods and materials for containment and cleaning up: Carefully vacuum/sweep material into a designated PLASTIC waste container. Collect in plastic containers only.

Special spill response procedures: Collect spills in plastic containers only

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Conditions for Safe Storage: Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well-ventilated area away from heat or open flame.

Incompatible Materials: Reactive with acids, reducing agents, amines and combustible materials

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation and engineering measures: Forced air, local exhaust, or open air is adequate.

Respiratory Protection: In case of confined spaces or high levels encountered in the air, wear self contained breathing apparatus.

Skin Protection: Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

Eye/Face Protection: Wear safety glasses, goggles and/or face shield to prevent eye contact.

Other Protective Equipment: Eye wash facility and emergency shower should be in close proximity.

General Hygiene Conditions: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale yellow-white tablet

Odor: Pungent/chlorine like odor

pH: 3-5 (1:100)

Melting/Freezing point: No information available.

Initial boiling point and boiling range: No information available

Flammability (solid, gas): Non flammable.

Solubility in Water: Partially soluble

Decomposition temperature: No information available.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Reactive with oxidizing agents, reducing agents, metals, acids and alkalis.

Chemical Stability: Stable under normal conditions

Possibility of Hazardous Reactions: May react with incompatible materials

Conditions to Avoid: Incompatible materials and water, moisture or humidity.

Incompatible Materials: Reducing agents, wood, paper and other combustibles, iron and other heavy metals, copper alloys and caustic.

Hazardous Decomposition Products: Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry - inhalation: YES

Routes of entry - skin & eye: YES

Routes of entry - ingestion: YES

Routes of entry - skin absorption: NO

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

Inhalation: Severe irritant. Effects from inhalation of mist vary from mild irritation to serious damage of the upper respiratory tract, depending on severity of exposure. Symptoms may include sneezing, sore throat or runny nose. Severe pneumonitis may occur.

Ingestion: Corrosive! Swallowing causes severe burns of mouth, throat, and stomach. Severe scarring of tissue, corrosion, permanent tissue destruction and death may result. Symptoms may include severe pain, nausea, vomiting, diarrhea, shock, hemorrhaging and/or fall in blood pressure. Damage may appear days after exposure.

Skin: Corrosive! Contact with skin causes irritation or severe burns and scarring with greater exposures.

Eye: Corrosive! Causes irritation of eyes, and with greater exposures it can cause burns that may result in permanent impairment of vision, even blindness.

Potential Chronic Health Effects:

Mutagenicity: No known effects on humans or animals

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.

Reproductive effects: No known effects on humans or animals

Sensitization to material: Prolonged contact can lead to sensitization at contact site.

Specific target organ effects: No known effects on humans or animals

Medical conditions aggravated by overexposure: No information available

Toxicological data:

ATE oral = 335 mg/kg

ATE dermal = >2000 mg/kg

ATE inhalation = 1.1 mg/L

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic life.

Persistence and degradability: No information available

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Bioaccumulation potential: No information available

Mobility in soil: No information available

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for disposal: Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, DO NOT rinse container.

Method of disposal: Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: Not a listed RCRA hazardous waste.

SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

US 49 CFR/DOT/IATA/IMDG Information:

UN No.: 3085

UN Proper Shipping Name: Oxidizing Solid, Corrosive, n.o.s (1-Bromo-3-Chloro-5,5-Dimethylhydantoin)

Transportation hazard class(es): 5.1,8

Packing Group: II

Environmental hazards: Marine Pollutant

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA information: No information available.

US CERCLA Reportable quantity (RQ): Non regulated material.

SARA Title III: Acute Health Hazard

US State Right to Know Laws: California - None of the chemicals on the current Proposition 65 list are known to be present in this product.

International Information:

SECTION 16 - OTHER INFORMATION

Legend:

SARA: The Superfund Amendments and Reauthorization Act

RCRA: Resource Conservation and Recovery Act

TSCA: Toxic Substances Control Act

CFR: Code of Federal Regulations

DOT: Department of Transportation

ATE: Acute Toxicity Estimate

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