

Safety Data Sheet

OxiKlor

SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME: OxiKlor
PRODUCT USE: AQUEOUS SODIUM CHLORITE
SUPPLIER: **MChem Inc.**
SUPPLIER'S ADDRESS: 301 MONTEBELLO OAKS DR. PASO ROBLES, CA 93446, (541) 913-7892
EMERGENCY RESPONSE NUMBER: PERS: 1-800-633-8253



SECTION 2 – HAZARD IDENTIFICATION



PRODUCT CLASSIFICATION:

SIGNAL WORD: DANGER

HAZARD STATEMENT: **DANGER: CORROSIVE.** Causes irreversible eye damage and skin burns. Do not get in eyes, or skin or clothing. May be fatal if swallowed. Do not get on bare hands. Wear goggles or face shield and neoprene gloves when handling.

MEDICAL CONDITION AGGRAVATED

BY EXPOSURE:..... Existing skin and/or respiratory disorders may be aggravated by exposure.

CHRONIC OVEREXPOSURE: None known

GHS US Classification:

GHS CLASSIFICATION:

GHS: CONTACT HAZARD - EYE: Category 1

GHS: CONTACT HAZARD - SKIN: Category 1

GHS: ACUTE TOXICITY - DERMAL: Category 5

GHS: ACUTE TOXICITY - INHALATION: Category 3

GHS: ACUTE TOXICITY - ORAL: Category 4

GHS: TARGET ORGAN TOXICITY (SINGLE EXPOSURE): Category 2

GHS: HAZARDOUS TO AQUATIC ENVIRONMENT - ACUTE HAZARD: Category 3

GHS HAZARD STATEMENT:

GHS - Health Hazard Statement(s)

H318 - Causes serious eye damage

H314 - Causes severe skin burns and eye damage

H331 - Toxic if inhaled

H302 - Harmful if swallowed

H371 - May cause damage to respiratory system and blood

GHS - Environmental Hazard Statement(s)

H402 - Harmful to aquatic life

GHS Precautionary Statement(s) - Prevention

P280 - Wear protective gloves

P280 - Wear eye and face protection

P260 - Do not breathe mist, vapors, or spray

P264 - Wash hands thoroughly after handling

P271 - Use only outdoors or in a well-ventilated area

P270 - Do not eat, drink or smoke when using this product

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P273 - Avoid release to the environment

GHS Precautionary Statement(s) - Response

P310 - Immediately call a POISON CENTER or physician

P305 + P351 + P338 - IF IN EYES - Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical attention

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303 + P361 + P353 - IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P363 - Wash contaminated clothing before reuse

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P321 - Specific treatment (see First Aid information on product label and/or Section 4 of the SDS)

GHS Precautionary Statement(s) - Storage

P405 - Store in a secure manner

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

GHS Precautionary Statement(s) - Disposal

P501 - Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Proprietary Ingredient				

SECTION 4 – FIRST AID MEASURES

EYES:..... Water is the only acceptable method of removal of this product from the eyes or skin. You may have 10 seconds or less to avoid serious permanent injury. Therefore, IMMEDIATE first aid must be given after any exposure. Moving the victim from water access for transport to medical aid should be done only on the advice of qualified medical personnel. While transporting victim to a medical facility, continue washing if possible. In case of contact, immediately flush eyes with lots of running water for at least 15 minutes. Call for medical assistance. In case of contact, immediately flush eyes with lots of running water for at least 15 minutes. Call for medical assistance.

SKIN (DERMAL): In case of skin contact, wash thoroughly with soap and water.

SWALLOWING (INGESTION): NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. (If available, give several glasses of milk) If vomiting occurs spontaneously, keep airway clear and give more water. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

NOTE TO PHYSICIAN: CORROSIVE! May cause stricture. If lavage is performed, suggest endotracheal and/or esophagoscopy control. Material is strong alkali. If burn is present, treat as any thermal burn, after decontamination. For burns of skin only. Eye irrigation may be necessary for an extended period of time to remove as much caustic as possible. Duration of irrigation and treatment is at the discretion of medical personnel. No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

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SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use extinguishing media appropriate to primary cause of fire.

SPECIAL PROTECTIVE EQUIPMENT

AND PRECAUTIONS FOR FIRE FIGHTERS: Avoid contact with fire fighting personnel as burns may result from contact with skin. when fighting a fire near or involving this product, wear a self-contained breathing apparatus. (SCBA)

UNUSUAL FIRE AND

EXPLOSION HAZARDS: None known

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT

AND EMERGENCY PROCEDURES:... Appropriate protective clothing must be worn by trained cleanup personnel. Dike the area to contain the spill. Dilute with large quantities of water and neutralize any residual chlorine with sodium thiosulfate or sodium sulfite. After all chlorine is neutralized, pH may be neutralized with dilute acid such as phosphoric or acetic acid. Properly neutralized liquids (pH 6-9) may be disposed of in waste water treatment facilities. Check with local authorities first.

ENVIRONMENTAL PRECAUTIONS: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

METHODS AND MATERIALS FOR

CONTAINMENT AND CLEAN UP:... On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Do not get in eyes, on skin or on clothing. Avoid breathing dust, mists or spray. Do not take internally. Wash thoroughly after handling or contact. Exposure can cause burns that are not immediately painful or visible. Do not add water to contents while in container because of possible violent reaction. Keep container out of sun and away from heat, sparks and flames. Keep container tightly closed when not in use to prevent leakage. Do not use pressure to empty container. Do not wash out container or use it for other purposes. Replace closure after each withdrawal and return it with empty container. Empty containers retain product residue and must be handled as if they were full. **KEEP OUT OF REACH OF CHILDREN.**

CONDITIONS FOR SAFE STORAGE: Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store upright in cool dry and well ventilated place. Avoid excessive heat or freezing. Protect from contact with other chemicals, avoid storage with organic chemicals, acids, reducers and combustible material. Keep container closed when not in use. **CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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TLV (THRESHOLD LIMIT VALUE):.... The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	ACGIH / TWA	STEL / TLV
Sodium chlorite	NOT EST.	NOT EST.

EYE PROTECTION: Chemical safety goggles and full face shield to protect against splashing in compliance with OSHA regulations are advised. OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist) Contact lenses should not be worn when working with any chemicals.

RESPIRATORY PROTECTION: Respiratory protection should be worn if levels exceed defined PEL's for this product or any hazardous component listed in SDS.

OTHER PROTECTIVE EQUIPMENT: . Impervious protective clothing and chemical resistant safety shoes should be worn to minimize contact. Emergency shower and eyewash facility should be in close proximity. (ANSIZ358.1)

VENTILATION: Local exhaust sufficient to maintain TLV below permissible exposure limits.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear light yellow liquid with mild odor

ODOR:.....

ODOR THRESHOLD: Not Available

pH:..... > 13.5

MELTING POINT/FREEZING POINT:

BOILING POINT: Approx. 212° F.

FLASHPOINT:..... > 200° F.

EVAPORATION RATE: Not Available

FLAMMABILITY: Non flammable

LOWER FLAMMABILITY LIMIT: N/A

UPPER FLAMMABILITY LIMIT: N/A

VAPOR PRESSURE: Not Available

VAPOR DENSITY (AIR=1): NOT EST.

RELATIVE DENSITY: 1.20

SOLUBILITY IN WATER:..... Completely soluble in water.

PARTITION COEFFICIENT n-OCTANOL/WATER: Not Available

AUTOIGNITION TEMPERATURE: Not Available

DECOMPOSITION TEMPERATURE:.. Not Available

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:..... Stable

HAZARDOUS CONDITIONS TO AVOID:

INCOMPATIBLE MATERIALS: Avoid contact with aluminum, tin, zinc, bronze, brass and alloys containing these metals. Do not mix with acids or organic compounds due to possible violent reaction. Avoid contact with leather, wool, organic halogens and nitrogen compounds.

HAZARDOUS DECOMPOSITION PRODUCTS:Chlorine, chlorine dioxide and chloramines. If decomposition occurs, it may cause container to rupture.

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SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:..... Acute Toxicity: Toxic if swallowed.

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:..... No data available on the adverse effects of this material on the environment. Neither COD nor BOD data are available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:..... Consult all LOCAL, STATE, and FEDERAL regulations with regard to proper and suitable disposal methods.

SECTION 14 – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:..... CHLORITE, SOLUTION 8 UN-1908 PG-II
HAZARD CLASS AND LABEL: 8 (CORROSIVE)
UN NUMBER: UN-1908
PACKAGING GROUP:..... PG - II

SECTION 15 – REGULATORY INFORMATION

U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN:..... None known

TSCA STATUS: All components in this product are listed on the TSCA inventory (40CFR 710).

SARA SECTION 313:..... This product **does not** contain any EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning Community Right-To-Know Act of 1986 (40CFR 372):

NFPA HEALTH:..... 3

NFPA FLAMMABILITY:..... 1

NFPA REACTIVITY:..... 0

CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY: Class E: Corrosive material

DOMESTIC SUBSTANCES LIST (DSL):Listed.



SECTION 16 – OTHER INFORMATION

REFERENCES:..... The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. MChem Inc. assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

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FOOT NOTES: NOT EST. = Not Established, N/A = Not Applicable, (Ceil) = TLV ceiling limit.

DATE PREPARED: MAR 1, 2005

DATE REVISED: MAR 1, 2014