MATERIALS SAFETY DATA SHEET

SECTION 1 • COMPANY AND CHEMICAL IDENTIFICATION

CleanGro
5665 Redwood Dr
Suite G
Rohnert Pk, CA 94928
(800)974-3102

EMERGENCY SOURCE INFORMATION
24-Hour Emergency Chemtrec: 800-424-9300

SUBSTANCE: Inorganic Oxidizing Agent

DRYPRODUCT: Sodium Chlorite, proprietaryingredients
ACTIVATED PRODUCT: Chlorine dioxide
PRODUCT/TRADE NAMES/SYNONYMS: CleanGro Extended Release 10K, 4K, 2.SK, IK, (5g aka SGR5)

CREATED BY: CleanGro
CREATION DATE: **11/11/2024**

SECTION 2 • HAZARDIDENTIFICATION

DRY PRODUCT: Sodium chlorite
SIGNALWORD: DANGER
CATEGORY: Oxidizing solids (category 2)



Causes burns to skin, serious eye damage

PRECAUTIONARY STATEMENTS: Avoid contact with skin and eyes. Wear suitable protective clothing, gloves, and eye/face protection.

ACTIVATED PRODUCT: Chlorinedioxide
SIGNAL WORD: CAUTION
CATEGORY: NA
INHALATION: Not anticipated under normal conditions of use.
SKINCONTACT:Notanticipatedundernormalconditionsofuse.
EYE CONTACT: Not anticipated under normal conditions of use.
INGESTION: Not anticipated under normal conditions of use.

NOTE: Have the product container or label with you when calling a poison control center or doctor or going for treatment.

SECTION 3 • COMPOSITION/INFORMATION ON INGREDIENTS

DRY PRODUCT

COMPONENT	CASRN	RANGE
Activator*	N/A	55-85%
Sodium Chlorite	7758-19-2	15-40%
Inert*	N/A	2%

ACTIVATED PRODUCT

COMPONENT	CASRN
Chlorine Dioxide	10049-04-4

**Proprietary ingredients*

SECTION 4 • FIRST AID MEASURES

CONTACT WITH DRY PRODUCT

SKIN: Brush off loose product. Rinseskinimmediately with plenty ofwater,thenwasharea with soapand water. Call a poison controlcenter or doctorfor treatment advice.

EYES: Hold eye open and rinse slowly and gently with waterfor 15-20 minutes. Remove contactlenses, ifpresent, after thefirst 5minutes, then continue rinsingtheeye. Seek medical attention immediately.

INGESTION: Calla poisoncontrol center or doctorimmediatelyfortreatmentadvice. Haveperson drink large quantities ofwaterifableto swallow. Donotinduce vomiting unlesstoldto dosobya poisoncontrolcenter ordoctor. Do notgiveanythingby mouth to an unconscious person.

INHALATION: Remove individual from exposure to chemical. Seekfreshair. If individual is not breathing, administer CPR. If breathing is labored, seekmedicalattention.

SECTION 5 • FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARD: Sodium chloritein the unactivated product is a strong oxidizer, and can supportcombustionin the absence of air. Chlorine dioxide, which may evolve fromexposure of the unactivated productto water, isexplosiveinthe gas phase at concentrations greater than 10% by volume. Do not allow chlorine dioxide gas to accumulate in confined spaces.

EXTINGUISHINGMEDIA: Fire-exposed containersshould be watered and cooledwith waterfog. Decompositioncanrelease oxygenthatsupportscombustion and reduces effectiveness of suffocation-type extinguishing agents.

FIREFIGHTING: Wear full protective clothing and self-contained breathing apparatus with full face piece (pressure-demand, NIOSH-approved). Approach fire from upwind to avoid hazardous vapors and toxic decomposition products.

HAZARDOUSCOMBUSTION PRODUCTS: Decomposition canrelease oxygen that supports combustion and reduces effectiveness of suffocation-type extinguishing agents. Thermal decomposition products from incomplete combustion (pyrolysis) include carbon monoxide, carbon dioxide, and inorganic chlorine compounds.

SECTION 6 • ACCIDENTAL RELEASE MEASURES

DRY PRODUCT:
If contents of pouch are exP.osed, spilled, or otherwise introduced into the environment:

- Wear protective rubbergloves (see manufacturer details for tolerances)
- Wear protective goggles or othereye protection
- Wear an approved NIOSH mask to prevent inhaling fumes/dust
- Place contents on pouch in a plastic container
- Fill container with water to allow degradation/neutralization

SECTION 7 • HANDLING AND STORAGE

HANDLING: Useproductasdirectedbylabel. Avoid breathingmistorvaporsgenerated by activated product. Use only withadequate ventilation. Avoid contactwith eyes, skin or clothing. Wash thoroughly after handling. Thoroughly rinse any protective gear and handling equipment used prior to storage and reuse.

STORAGE: Observe all applicableregulations when storing this substance. Keep unactivated product in a cool, dry, ventilated area away from direct sunlight. Donot store with acids, chlorine and chlorine compounds, hypochlorites (bleach), organic solvents, sulfur and sulfite compounds, phosphorus, and combustible/flammable materials. Do not store in areas where sparking may occur.

After envelope is spent, product should be disposed of.

SECTION 8 • EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: General exhaust ventilation issufficient for safeuse ofthis product. Avoid breathing any vapors, mists or fumes generated by the inactivated product.

EYE PROTECTION: If handling exposed oontents of pouch, goggles or faoe shield should be worn.

EMERGENCYWASH FACILITIES: Nonenormallyrequiredwhenhandlingintactproduct. Safetyshowerandchemicaleyewashfacilitiesmaybenecessaryifhandlinglargequantitiesof dry ingredients.

GLOVES: None normally requiredwhen handlingintact product. Ifhandling exposed dry ingredients in product, use appropriate hand protection. Gloves made of rubber, neoprene or other chemically impervious gloves may be suitable. Consult glove manufacturer.

RESPIRATOR: None normally required when handling intact product. Where overexposure to chlorine dioxide may occur, useappropriate respiratory protection and follow OSHA requirements at 29 CFR 1910.134 and 29 CFR 1910.1000. A NIOSH-approved air-purifying respirator or a NIOSH approved canister/cartridge respirator rated for chlorine/acid gas or specified for chlorine dioxide may be appropriate.

FORFIREFIGHTINGAND 0THERIMMEDIATELYDANGEROUSTOLIFE OR HEALTH CONDITIONS: For firefighting, see section 5.

EXPOSURE LIMITS:

COMPONENT	CASRN	OSHA	ACGIH	NIOSH
Activator	N/A	None Listed	None Listed	None Listed
Sodium Chlorite	7758-19-2	None Listed	None Listed	None Listed
Inert	N/A	15 mg/m3"*	10 mg/m3"*	None Listed

ATime WeightedAverage

+Particulates Not Otherwise Regulated

ACTIVATED PRODUCT	CASRN	OSHA	ACGIH	NIOSH
Chlorine dioxide (airborne)	10049-04-4	0.1 ppm/8hrs	0.1 ppm/lOhrs 0.3ppmSTEL	0.1 ppm/lOhrs 0.3ppmSTEL

SECTION 9 • PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:
Dry Product-white powdery substance.
Activated Product-light green toyellow liquid.
UPPER/LOWER FLAMMABILITY LIMITS: NA
ODOR:DryProduct-NA
Activated Product-faint chlorinesmell
VAPOR PRESSURE:NA
ODOR THRESHOLD:0.1 PPM
VAPOR DENSITY:NA
pH:NA
RELATIVE DENSITY: NA

MELTING/FREEZING POINT:NA
SOLUBILITY: COMPLETE
INITIALBOILING POINT& BOILING RANGE:NA
FLASHPOINT:185°C
EVAPORATION RATE:NA
FLAMMABILITY: NA
PARTITION COEFFICIENT: NA
AUTO-IGNITION TEMPERATURE:NA
DECOMPOSITION TEMPERATURE:160°C
VISCOSITY: NA

SECTION 10 • STABILITY AND REACTIVITY

STABILITY: Productisstableundernormalstorage conditions. Ingredients are oxidizers and may decompose if heated above 160 °C, opened, or wetted.

CONDITIONS TO AVOID: Avoid storing product where it might become wet, or where the spilled contents of a damaged, unactivated pouch could dry to a crystalline salt or produce chlorine dioxidegas. Do not store where dry material may come into contact with sparking.

INCOMPATIBILITIES: Avoid accidental contact of dryingredients with acids,chlorine compounds, hypochlorites (bleach), sulfur and sulfitecompounds, phosphorus, organicsolvents, and combustible/flammable materials.

HAZARDOUS DECOMPOSITION: Exposure of dry ingredients to acids or chlorine compounds can produce uncontrolled release of chlorine dioxide gas.

SECTION 11 • TOXICOLOGY INFORMATION

CARCINOGEN STATUS: Not Listed.

TARGETORGANS: Skin, eyes.

ADDITIONAL DATA: None.

HEALTH EFFECTS OF UNACTIVATED PRODUCT: None anticipated under normalconditions of use. Contact with dry ingredients may cause burns.

INHALATION:Not anticipated under normal conditionsofuse.
SKIN CONTACT: Not anticipated under normal conditions of use.
EYE CONTACT: Not anticipated under normal conditions of use; however, eye contact with dry ingredients may cause irreversible eye damage.
INGESTION: Not anticipated under normal conditions of use.

DERMAL SENSITIZATION: A dermal sensitization test [in accordance with EPA Health Effects Test Guidelines, OPPTS 870.2600 {2003)] was conducted with guinea pigs to determine if theactivatedproductwouldproduce sensitizationafterrepeatedtopical applications. Basedontheresultsofthestudy, the activated solution is notconsidered to be a contactsensitizer.

CARCINOGEN STATUS: OSHA: Not listed.
NTP:Not Listed.
IARC: Not Listed.

TARGET ORGANS: Skin, eyes, respiratory tract, mucous membranes.

ADDITIONAL DATA: None.

HEALTH EFFECTS FROM EXPOSURETO ACTIVATED PRODUCT: Not anticipated under normal conditions of use.

POTENTIAL HEALTH EFFECTS FROM EXPOSURE TO CHLORINE DIOXIDE GAS:

INHALATION: Not anticipated under normal conditions of use.

SKIN CONTACT: Not anticipated under normal conditions of use.

EYE CONTACT: Not anticipated under normal conditions of use.

INGESTION: Not anticipated under normal conditions of use.

ADDITIONAL DATA: May have increased effects with exposure to chlorine, other chlorine oxides, and chlorine-fluorine compounds.

SECTION 12 • ECOLOGICAL INFORMATION

ACUTE AQUATIC TOXICITY: Not applicable.
DEGRADABILITY: Decomposes in w ater.
BIOCONCENTRATION FACTOR {BCF): Not applicable.
OCTANOL/WATER PARTITION COEFFICIENT: Not applicable.

SECTION 13 • DISPOSAL INFORMATION

Unactivated product should be disposed in accordance with all federal, state and local regulations. Used/activated product sachets are considered inert; consult with appropriate agencies to determine appropriate disposal methods.

SECTION 14 • TRANSPORTATION INFORMATION

D.O.T. Classification: 5.1, packing group II Oxidizer. D.O.T. Identification Number: UN 1493 Conforms to 49 CFR 173.4 for road and rail transfer. IATA: Dangerous goods in excepted quantities

SECTION 15 • REGULATORY INFORMATION

US FEDERAL REGULATIONS:
CleanAirAct:Not applicable.
CERCLASECTION 103{40CF.R. § 302.4):Not applicable.
SARASECTION 302{40CF.R. § 355.30):Not applicable.
SARASECTION 304{40CF.R. § 355.40):Not applicable.
SARA {EPCRA) SECTION 313 {40 C.F.R. § 372.65):Chlorine dioxide produced from activated product is listed under SARA 313, with a 25,000-pound threshold for manufactured product.
OSHAPROCESS SAFETY{29CF.R. § 1910.119):Not regulated.
SARA HAZARD CATEGORIES, SARASECTIONS 311/312{40 CF.R. § 370.21):
10,000 lb threshold.
ACUTE HAZARD: Irritant.
CHRONIC HAZARD: None known.
FIRE HAZARD: Oxidizer.
REACTIVITY HAZARD: Oxidizer.
SUDDENRELEASE HAZARD:Notapplicable.

STATE REPORTING REQUIREMENTS:
California Proposition 65:Not regulated.
New Jersey:See Section 11.

SECTION 16 • OTHER

DISCLAIMER OF WARRANTY

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