

1 – PRODUCT IDENTIFICATION

PRODUCT NAME:.....BROMO-CHLOR
PRODUCT USE:.....Pesticide (Do Not Relabel)
COMPANY:.....CH₂O, Incorporated
8820 Old Hwy. 99 SE, Tumwater, WA 98501
360-943-6063, 800-562-6184, (fax) 360-352-4813, www.ch2o.com
EMERGENCY PHONE:(800) 424-9300 (CHEMTREC)
SDS DATE:3/9/2017 **SHELF LIFE:** 2 Years

2 – HAZARDS IDENTIFICATION

GHS HEALTH CLASSIFICATIONS:Acute Toxicity Oral (4) Skin Corrosion (1B) Skin Sensitizer (1A)

GHS ENVIRONMENTAL CLASSIFICATIONS:Acute Aquatic Toxicity (1)

GHS PHYSICAL CLASSIFICATIONS:.....Oxidizing Solids (3)



GHS SIGNAL WORD: DANGER

GHS HAZARD STATEMENTS:

H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H317: May cause an allergic skin reaction

GHS PRECAUTIONARY STATEMENTS:

PREVENTION:

P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE:

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P310: Immediately call a POISON CENTER or doctor.

STORAGE:

None

DISPOSAL:

P501: Dispose of contents/container in accordance with local, state, and federal regulations.

HAZARDS NOT OTHERWISE CLASSIFIED: None known

UNKNOWN TOXICITY STATEMENT: 0% of this mixture consists of ingredient(s) of unknown acute toxicity.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

TRADE SECRET STATEMENT: The specific chemical identity and/or the exact percentage of composition has been withheld as a trade secret.

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	OSHA-STEL	OSHA-TWA

4 – FIRST-AID MEASURES

INHALATION: Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention.

INGESTION: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention immediately!

SKIN: Remove contaminated clothing. Rinse the skin immediately with lots of water. Get medical attention immediately!

EYES: Remove victim immediately from source of exposure. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately!

5 – FIRE-FIGHTING MEASURES

When responding to a fire involving this product, personal protection equipment must be worn that is appropriate to the chemicals involved in the fire, as well as respiratory protection. If it can be done safely and without risk, stop any release of chemical at the source. Move undamaged containers away from the vicinity of the fire if it can be done safely. Water spray may be used in cooling equipment and containers that have been exposed to heat and/or flame. Avoid spreading burning material with water used for cooling purposes.

FLASHPOINT: N/A

EXTINGUISHING MEDIA: Water spray, fog or mist. Alcohol resistant foam. DO NOT use CO2 or dry chemicals.

SPECIAL FIRE FIGHTING PROCEDURES: Move container from fire area if it can be done without risk. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Scientifically unjustified. This material is oxidising keep away from fire/heat/sources of ignition.

6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: Only trained personnel equipped with proper protective gear should be permitted in the area. Stop spill at source. Reclaim material if possible for reuse. Containerize contaminated material for disposal. After all visible traces have been removed flush area thoroughly with water.

WASTE: Dispose of all waste in accordance with local, state and federal regulations. Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination.

7 – HANDLING and STORAGE

HANDLING & STORAGE: Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid spilling, skin and eye contact. Avoid acids, moisture, and combustible materials. Avoid

handling which leads to dust formation. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep containers tightly closed. Protect from light, including direct sunrays. Keep away from heat, sparks and open flame.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guidelines. When respiratory protection is required, use an approved air-purifying respirator. When exposure guidelines may be greatly exceeded, use an approved positive pressure self-contained breathing apparatus. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Chemical safety glasses, impervious gloves and an apron.

9 – PHYSICAL / CHEMICAL PROPERTIES

PHYSICAL STATE: Tablet

APPEARANCE; Color & Odor: .. White to off-white; Slight, halogen

SPECIFIC GRAVITY:..... N/A

pH, 1%: 3.5 (@ 0.15%)

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

VOLATILITY (wt. %, incl. H₂O): . N/A

10 – STABILITY and REACTIVITY

STABILITY: Stable under normal temperature conditions. Avoid Moisture.

HAZARDOUS DECOMP.: None known

INCOMPATIBILITY: Strong acids. Strong alkalis. Strong reducing agents.

HAZARDOUS REACTIONS: This material has oxidizing properties.

11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL PROPERTIES: The toxicological properties of this chemical mixture as a whole have not been thoroughly investigated.

LISTED CARCINOGEN: This material does not contain any known or suspected carcinogens.

MEDICAL CONDITION AGGRAVATED: None known

12 – ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: The environmental properties of this chemical mixture have not been thoroughly investigated.

NOTE: This chemical mixture and its use solutions are toxic to fish. Any discharge to the environment must be made only in accordance with an NPDES permit.

13 –DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of all waste product and wastes generated from this product in accordance with local, state, and federal regulations. Assume wastes are hazardous unless characterization demonstrates otherwise. Handle empty drums as if they contain chemical residual until they have been thoroughly decontaminated.

14 – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME:OXIDIZING SOLID, CORROSIVE, NOS,
HAZARD CLASS:5.1
UN/NA NUMBER:UN 3085
PACKAGING GROUP :III

15 - REGULATIONS

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

EPA SARA Title III Chemical Listings:

Acute: Yes

Chronic: No

Fire: No

Pressure: No

Reactive: Yes

SARA SECTION 313: This product DOES NOT contain toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR Part 372.

16 – OTHER INFORMATION

HMIS RATING:

HEALTH: 3, **FLAMMABILITY:** 1, **REACTIVITY:** 1, **PERSONAL PROTECTION:** C

ADDITIONAL INFORMATION: None known