

1 – PRODUCT IDENTIFICATION

PRODUCT NAME:..... BIO MAX 150

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: 9/25/2020

SHELF LIFE: 2 Years

2 – HAZARDS IDENTIFICATION

GHS HEALTH CLASSIFICATIONS: Acute Toxicity Oral (4) Acute Toxicity Inhalation (3)
Skin Irritation (2) Serious Eye Damage (1) Respiratory Sensitizer (1A) Skin Sensitizer (1A) Target Organ
Toxicity- Single Exposure (3)

GHS ENVIRONMENTAL CLASSIFICATIONS: Acute Aquatic Toxicity (2) Chronic Aquatic Toxicity (3)

GHS PHYSICAL CLASSIFICATIONS: None



GHS SIGNAL WORD: DANGER

GHS HAZARD STATEMENTS:

H302: Harmful if swallowed

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H331: Toxic if inhaled

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335: May cause respiratory irritation

H401: Toxic to aquatic life

H412: Harmful to aquatic life with long lasting effects

GHS PRECAUTIONARY STATEMENTS:

PREVENTION:

P260: Do not breathe dust/fumes/gas/mist/vapors/spray.

P264: Wash skin thoroughly after handling.

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

P284: In case of inadequate ventilation, wear respiratory protection.

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

RESPONSE:

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

P330: Rinse mouth.

P333+313: If skin irritation or a rash occurs: Get medical advice/attention.

P342+311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

P363: Wash contaminated clothing before reuse.

STORAGE:

P403+233: Store in a well ventilated place, in a tightly closed container.

P405: Store locked up.

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

If exposed, immediately contact Poison Control Center or physician. **EYES:** Flush with large amounts of water for several minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and continue rinsing. Get medical attention if irritation persists. **SKIN:** Wash exposed areas thoroughly with soap and water. Remove contaminated clothing and launder before reuse. If skin feels slippery, continue washing until slick feeling is gone. Contact a physician if irritation persists. **INGESTION:** Rinse mouth. Give large quantities of water. **DO NOT** induce vomiting. If vomiting occurs administer additional fluids. Contact a physician for further directions. Never give anything by mouth to an unconscious person. **INHALATION:** Remove individual to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen.

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 fog or spray, Foam, Dry Powder, Carbon Dioxide (CO2).

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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: Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not breathe mist, spray, vapors. Wear personal protective equipment. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep the substance free from contamination. Do not discharge the waste into the drain. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Observe very strict hygiene - avoid contact, Keep container tightly closed. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection.

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. Vapor Respirator.

9 – PHYSICAL / CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE; Color & Odor: .. Colorless to light yellow; Pungent

SPECIFIC GRAVITY:..... 1.04

pH, 1%: 2.8-5.0

SOLUBILITY IN WATER:..... Complete in water.

VOLATILITY (wt. %, incl. H₂O): . >15

10 – STABILITY and REACTIVITY

STABILITY: Stable

HAZARDOUS DECOMP.: Carbon oxides (CO, CO₂).

INCOMPATIBILITY: Alcohols. amines. Strong acids. Strong bases. Strong oxidizers. Ammonia.

HAZARDOUS REACTIONS: Polymerizes slowly on exposure to temperature rise. Upon combustion: CO and CO₂ are formed. Oxidizes on exposure to air. Violent exothermic reaction with (strong) oxidizers. Reacts exothermically with (strong) acids/bases. May polymerize on exposure to some compounds e.g.: amines. Reacts with alcohols.

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:NMFC ITEM 50093/2 LIQUID

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: Yes

Fire:..... No

Pressure: No

Reactive: No

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:** 0, **PERSONAL PROTECTION:** H

ADDITIONAL INFORMATION: None known