



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: VIPER PEROXIBLAST CTG CH48

SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME: Viper Peroxiblast CTG

Manufacturer:

Hydro-Force Manufacturing, 4282 S 590 W, Salt Lake City, Utah 84123

Company Phone Number: 801-268-2673

Emergency Phone Number: 1-800-535-5053 (Infotrac)

Date Prepared: 4/27/2011

Hazard Rating (Zero=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

Fire: 0 Health: 2 Reactivity: 1

SECTION 2: INGREDIENTS

HAZARDOUS INGREDIENTS:

	<u>TLV</u>	<u>OSHA PEL</u>
Glycol Ether PNB (CAS # 5131-66-8)	50 ppm	N/E
Sodium Metasilicate (CAS # 6834-92-0)	N/E	N/E
Sodium Percarbonate (CAS # 15630-89-4)	See section 8	See section 8
Trisodium Phosphate (CAS # 7601-54-9)	3mg/m3	5 mg/m3

SECTION 3: HEALTH HAZARD INFORMATION

IMMEDIATE HEALTH EFFECTS

Eyes: Overexposure may cause irritation to eyes.

Skin: Prolonged and repeated contact may cause irritation to skin.

Inhalation: Inhalation may cause irritation of upper respiratory passages.

Ingestion: Single dose oral toxicity is low. Swallowing large amounts may be harmful.

PRIMARY ROUTES OF ENTRY: Eyes, skin contact/absorption, inhalation or ingestion.

SIGNS/SYMPTOMS OF OVEREXPOSURE: Gastrointestinal irritation (nausea, vomiting, diarrhea), and/or irritation to the skin, eyes, nose, throat, and respiratory tract.

TARGET ORGAN EFFECTS: Irritation of the skin and eyes. Irritation of lungs possible if mists/aerosols are inhaled.

REPRODUCTIVE/DEVELOPMENTAL INFORMATION: No data available.

CARCINOGENICITY:

NTP: Known – No; Anticipated – No **OSHA:** No **IARC:** Not classifiable as to carcinogene to humans.

LONG TERM EFFECTS: No data available.

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SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush eyes with water for at least 15 minutes. If irritation persists, consult a physician.

SKIN: If irritation occurs, flush skin with water for at least 15 minutes. If irritation persists, consult a physician

INHALATION: If symptoms of overexposure develop, remove to fresh air. If symptoms persist, consult a physician.

INGESTION: Give 8 to 16 ounces of water to dilute substance. Do not induce vomiting. Consult a physician or local Poison Control Center. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE, EXPLOSION & REACTIVITY DATA

FLASH POINT: N/A

EXPLOSIVE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: No data available.

HAZARDOUS PRODUCTS OF COMBUSTION: Product is not flammable. Use after, carbon dioxide, dry powder or other media appropriate for materials actually involved in fire.

EXTINGUISHING MEDIA: Water spray, foam, dry chemical powder or carbon dioxide.

FIRE FIGHTING INSTRUCTIONS: None.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Sweep up for reuse when possible. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations.

SECTION 7. PRECAUTIONS FOR HANDLING AND STORAGE

Store out of reach of children. Keep container closed. Store in a cool, dry location. Avoid freezing or extended storage in high temperatures and away from strong oxidizers and acid products.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation System..... Room ventilation is normally satisfactory. Mechanical assist may be required when vapors or mist are generated.

Personal Respirators..... Respirator recommended if product is misted. Use NIOSH/MSHA approved respiratory protection.

Skin Protection..... Rubber gloves are recommended & other clothing that will prevent contact with this product.

Eye Protection..... Use safety glasses.

Sodium Percarbonate Exposure Limit Values:

Authorized limit Values: Particulates not otherwise classified (PNOC)
TLV deg ACGIH-USA (2002): Inhalable 10 mg/m³ TWA Respirable 3 mg/m³ TWA
OSHA PEL: Inhalable 15 mg/m³ TWA Respirable 5 mg/m³ TWA
SAEL (Vendor Acceptable Exposure Limit)
Sodium Carbonate Peroxyhydrate
SAEL (Vendor Acceptable Exposure Limit): 5 mg/m³ TWA
ACGIH and TLV are registered trademarks of the American Conference of Governmental Industrial Hygienists.
SAEL is Vendor Acceptable Exposure Limit, Time-Weighted Average for 8-hour workdays.
No Specific TLV-STEL (Short Term Exposure Level) has been set. Excursions in exposure level may exceed 3 times the TLV-TWA for no more than a total of 30 minutes during a workday and under no circumstances should they exceed 5 times the TLV-TWA.

SECTION 9: PHYSICAL DATA

Odor: Slight pine fragrance
Physical State: White granular powder.
pH RTU: 12.0, 12.2
Boiling Point: N/D
Freezing/Melting Point: N/E
Vapor Pressure: N/D
Vapor Density: N/D
Solubility in Water: Complete

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: None with proper storing and handling.

MATERIALS TO AVOID: Strong acids and oxidizing materials.

HAZARDOUS DECOMPOSITION: Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids and other unidentified thermal decomposition products from this product or its packaging.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION 11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Skin absorption, eye contact, inhalation, and ingestion.

CARCINOGENICITY:

NTP: Known – No; Anticipated – No **OSHA:** No

IARC: Not classifiable as to carcinogenicity to humans.

TERATOGENICITY, MUTAGENICITY, OR OTHER REPRODUCTIVE EFFECTS: No data available.

CONDITIONS AGGREGATED BY EXPOSURE: No data available.

SYNERGISTIC MATERIALS: No data available.

Trisodium Phosphate - Oral Rat LD50: 6500 mg/kg., practically non-toxic Dermal Rabbit LD50:>7940 mg/kg; practically non-toxic Eye Rabbit (4 hr. exposure) corrosive. Skin rabbit moderately irritating.

Glycol Ether PNB

Acute Toxicity

Ingestion: LD50, Rat, female 2,124 - 2,700 mg/kg LD50, Rat, male 2,612 - 5,500 mg/kg

Skin Absorption LD50, Rat > 2,000 mg/kg

Sodium Carbonate Peroxihydrate

Acute toxicity:

Inhalation: LC50, 1 hour, rat, >4580 mg/m³.

Oral: LD50, rat (combined sexes), 1034 mg/kg.

Dermal: LD50 lo, rabbit, >2000 mg/kg.

Irritation:

Rabbit, Severe damage (eyes).

Rabbit, Slight irritant (skin).

Sensitization: No sensitization was noted when administered as a 75% w/v induction and as a 25% w/v mixture at challenge.

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SECTION 12. ECOLOGICAL INFORMATION

Sodium Metasilicate: A 96 hour median tolerance for fish (*Gambusia affinis*) of 2320 ppm; a 96 hour median tolerance for water fleas (*Daphnia magna*) of 247 ppm; a 96 hour median tolerance for snail eggs (*Lymnaea*) of 632 ppm; and a 96 hour median tolerance for Amphipoda of 160 ppm.

Glycol Ether PNB: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Material is practically non-toxic to aquatic organisms on an acute basis. Passes EPA DfE screen and is listed on EPA DfE Cleangredients.

Sodium Carbonate Peroxihydrate

Acute ecotoxicity:

Fish, *Pimephales promelas*; LC50, 70.7 mg/L.

Fish, *Pimephales promelas*; NOEC, 96 hours, 1 mg/L.

Crustaceans, *Daphnia pulex*; EC50, 4.9 mg/L.

Crustaceans, *Daphnia pulex*; NOEC, 48 hours, 1 mg/L.

Chronic ecotoxicity: No data.

Mobility:

Air - Not applicable.

Water- Considerable solubility and mobility.

Soil/sediments - Non-significant adsorption.

SECTION 13. DISPOSAL CONSIDERATIONS

Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be reused or flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

SECTION 14. TRANSPORTATION

No restrictions for Ground, Air, or Maritime Transportation in accordance with 49 CFR parts 100-185.

SECTION 15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA Status: The intentional components of this product are listed.

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SECTION 16. OTHER INFORMATION

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy. HYDRO-FORCE MANUFACTURING MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

N/A= Not applicable N/D= Not determined N/E= Not established