

## **SAFETY DATA SHEET**

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.  
THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)  
IMPORTANT: Read this SDS before handling & disposing of this product.  
Pass this information on to employees, customers, & users of this product.

### **SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER**

PRODUCT IDENTITY: VIPER PEROXIBLAST POWDER CH48  
PRODUCT PURPOSE: HARD SURFACE CLEANER  
COMPANY IDENTITY: Hydro-Force Manufacturing  
COMPANY ADDRESS: 4282 S 590 W  
COMPANY CITY: Salt Lake City, UT 84123  
COMPANY PHONE: 1-800-948-1779  
EMERGENCY PHONES: INFOTRAC: 1-800-535-5053 (USA)



### **SECTION 2. HAZARDS IDENTIFICATION**

#### **CAUTION**

**EXPOSURE PREVENTION: STRICT HYGIENE!**

#### **HAZARD STATEMENTS:**

**H100s = General, H200s = Physical, H300s = Health, H400s = Environmental**

H271 May cause fire or explosion; Strong Oxidizer.  
H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H410 Very toxic to aquatic life with long lasting effects.

#### **PRECAUTIONARY STATEMENTS:**

**P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal**

P243 Take precautionary measures against static discharge.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>MATERIAL</b>	<b>CAS#</b>	<b>EINECS#</b>	<b>WT %</b>
Sodium Carbonate	497-19-8	-	Trade Secret
Sodium Percarbonate	15630-89-4	239-707-6	Trade Secret
Sodium Metasilicate	6834-92-0	-	Trade Secret
Trisodium Phosphate	7601-54-9	-	Trade Secret
Propylene Glycol n-Butyl Ether	5131-66-8	225-878-4	Trade Secret

**SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.**

TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

### **SECTION 4. FIRST AID MEASURES**

#### **GENERAL ADVICE:**

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

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**SECTION 4. FIRST AID MEASURES (CONTINUED)**

**EYE CONTACT:**

If this product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. "Roll" eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

**SKIN CONTACT:**

If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes.

**INHALATION:**

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention.

**SWALLOWING:**

If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

**NOTES TO PHYSICIAN:**

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of label and SDS to physician or health professional with victim.

**SECTION 5. FIRE FIGHTING MEASURES**

**FIRE & EXPLOSION PREVENTIVE MEASURES**

Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, lighting.

**EXTINGUISHING MEDIA**

Use dry powder, AFFF, alcohol-resistant foam, water spray, carbon dioxide. .

**SPECIAL FIRE FIGHTING PROCEDURES**

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

**UNUSUAL EXPLOSION AND FIRE PROCEDURES**

Isolate from oxidizers, heat, & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:**

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

### **PERSONAL PROTECTIVE EQUIPMENT**

The proper personal protective equipment for incidental releases (such as: 1 Liter of the product released in a well-ventilated area), use impermeable gloves, & safety goggles.

### **ENVIRONMENTAL PRECAUTIONS:**

Stop spill at source. Keep from entering storm sewers and ditches which lead to waterways.

### **CONTAINMENT AND CLEAN-UP MEASURES:**

Shovel up and place all spill residue in suitable containers.  
 Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.

## **SECTION 7. HANDLING AND STORAGE**

### **HANDLING**

Use only with adequate ventilation. Avoid breathing of vapor or spray mist.  
 Do not get in eyes, on skin or clothing. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, & gloves, impervious to material.

### **STORAGE**

Keep in fireproof surroundings. Keep separated from strong oxidants. Store in an area without a drain or sewer access. Do not store above 49 C/120 F.  
 Keep container tightly closed & upright when not in use to prevent leakage.

### **NONBULK: CONTAINERS:**

Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible.  
 Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Sodium Carbonate	497-19-8	-	None Known	None Known
Sodium Percarbonate	15630-89-4	239-707-6	None Known	None Known
Sodium Metasilicate	6834-92-0	-	None Known	None Known
Trisodium Phosphate	7601-54-9	-	None Known	None Known
Propylene Glycol n-Butyl Ether	5131-66-8	225-878-4	None Known	50 ppm

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

### **RESPIRATORY EXPOSURE CONTROLS**

Maintain airborne contaminant concentrations below exposure limits given above. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, European Standard EN 149, or applicable State regulations. If adequate ventilation is not available or there is potential for airborne exposure above the exposure limits, a respirator may be worn up to the respirator exposure limitations, check with respirator equipment manufacturer's recommendations/limitations. For a higher level of protection, use positive pressure supplied air respiration protection or Self-Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

### **EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS**

Positive pressure, full-face piece Self-Contained Breathing Apparatus; or positive pressure, full-face piece Self-Contained Breathing Apparatus with an auxilliary positive pressure Self-Contained Breathing Apparatus.

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### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)**

#### VENTILATION

LOCAL EXHAUST: Necessary                      MECHANICAL (GENERAL): Necessary  
 SPECIAL: None                                      OTHER: None  
 Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

#### EYE PROTECTION:

Splash goggles or safety glasses.

#### HAND PROTECTION:

Wear appropriate impervious gloves for routine industrial use. Use impervious gloves for spill response, as stated in Section 6 of this SDS (Accidental Release Measures).

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

### **SECTION 9. PHYSICAL & CHEMICAL PROPERTIES**

APPEARANCE:	White Powder
ODOR:	Pine
ODOR THRESHOLD:	Not Available
pH (Neutrality):	11.1
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP,50%,Dry Point):	Not Applicable
FLASH POINT (TEST METHOD):	Not Applicable
EVAPORATION RATE (n-BUTYL ACETATE=1):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Non-Combustible
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Applicable
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C	Not Available
VAPOR DENSITY (air=1):	Not Available
BULK DENSITY (Grams/CC):	0.817
WATER SOLUBILITY:	Complete
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Available

### **SECTION 10. STABILITY & REACTIVITY**

#### STABILITY

Stable under normal conditions.

#### CONDITIONS TO AVOID

Isolate from oxidizers, heat, & open flame.

#### MATERIALS TO AVOID

Reacts with strong oxidants, causing fire & explosion hazard.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide, Sodium Oxide & Hydroxide, Silicon Dioxide from heating.

#### HAZARDOUS POLYMERIZATION

Will not occur.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**ACUTE HAZARDS**

**EYE & SKIN CONTACT:**

Primary irritation to skin, defatting, dermatitis.  
Absorption thru skin increases exposure.  
Primary irritation to eyes, redness, tearing, blurred vision.  
Powder can cause eye irritation. Wash thoroughly after handling.

**INHALATION:**

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful.

**SWALLOWING:**

Harmful or fatal if swallowed.  
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.  
The symptoms of chemical pneumonitis may not show up for a few days.

**SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED**

**CONDITIONS AGGRAVATED**

Persons with severe skin, liver or kidney problems should avoid use.

**CHRONIC HAZARDS**

**CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:**

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

**IRRITANCY OF PRODUCT:** This product is irritating to contaminated tissue.

**SENSITIZATION TO THE PRODUCT:** No component of this product is known to be a sensitizer.

**MUTAGENICITY:** This product is not reported to produce mutagenic effects in humans.

**EMBRYOTOXICITY:** This product is not reported to produce embryotoxic effects in humans.

**TERATOGENICITY:** This product is not reported to produce teratogenic effects in humans.

**REPRODUCTIVE TOXICITY:** This product is not reported to cause reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

**MAMMALIAN TOXICITY INFORMATION**

**Sodium Percarbonate:**

LD50 (Oral): 1034 mg/kg (Rat)  
LD50 (Skin): > 2000 mg/kg (Rabbit)

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**SECTION 12. ECOLOGICAL INFORMATION**

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**EFFECT OF MATERIAL ON PLANTS AND ANIMALS:**

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

**EFFECT OF MATERIAL ON AQUATIC LIFE:**

No aquatic environmental information is available on this product. The substance is very toxic to aquatic organisms. Bioaccumulation of this chemical may occur in aquatic animals.

**MOBILITY IN SOIL**

Mobility of this material has not been determined.

**DEGRADABILITY**

This product is completely biodegradable.

**ACCUMULATION**

Bioaccumulation of this product has not been determined.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal.

**ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES.**

**SECTION 14. TRANSPORT INFORMATION**

DOT/TDG SHIP NAME: Not Regulated  
 DRUM LABEL: None  
 IATA / ICAO: Not Regulated  
 IMO / IMDG: Not Regulated  
 EMERGENCY RESPONSE GUIDEBOOK NUMBER: 140

**SECTION 15. REGULATORY INFORMATION**

**EPA REGULATION:**

SARA SECTION 311/312 HAZARDS: Acute Health



All components of this product are on the TSCA list.

**SARA Title III Section 313 Supplier Notification**

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	EINECS#	WT%	(REG.SECTION)	RQ(LBS)
*Sodium Metasilicate	6834-92-0	-	40-45	(302,313,RCRA)	None
Trisodium Phosphate	7601-54-9	-	5-10	(311,312)	5000
*Ethylenediaminetetraacetic Acid	60-00-4	-	0- 5	(311,312)	5000

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

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#### SECTION 15. REGULATORY INFORMATION (CONTINUED)

##### STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):

This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

##### INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS)G  
Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC),  
Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

##### CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

C: Oxidizing Material.

D2B: Irritating to skin / eyes.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

#### **SECTION 16. OTHER INFORMATION**

##### HAZARD RATINGS:

HEALTH (NFPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 0, PHYSICAL HAZARD: 2  
(Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

##### EMPLOYEE TRAINING

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

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#### **NOTICE**

Hydro-Force Manufacturing disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.