

## **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 VENOM POWDER CR23  
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**

#### **HAZARD STATEMENTS:**

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

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H320 Causes eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.

#### **PRECAUTIONARY STATEMENTS:**

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

P262 Do not get in eyes, on skin, or on clothing.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
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 Metasilicate	6834-92-0	-	Trade Secret
2-Butoxyethanol	111-76-2	203-905-0	Trade Secret
Sodium Tripolyphosphate	7758-29-4	-	Trade Secret
Orange Peel Terpene	8028-48-6	-	Trade Secret

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).

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

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

#### **EYE CONTACT:**

For eyes, flush with plenty of water for 15 minutes & get medical attention.

#### **SKIN CONTACT:**

In case of contact with skin immediately remove contaminated clothing.  
Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

#### **INHALATION:**

After high vapor exposure, remove to fresh air. If breathing is difficult, give

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

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).  
CALL A PHYSICIAN immediately!

**SWALLOWING:**

Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting.  
GET MEDICAL ATTENTION IMMEDIATELY. Do NOT give liquids to an unconscious or convulsing person.

**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. .  
use appropriate extinguishing media.

**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.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PROTECTIVE MEASURES:**

Keep unprotected personnel away.  
Filter respirator for organic vapors.

**ENVIRONMENTAL PRECAUTIONS:**

Keep from entering storm sewers and ditches which lead to waterways.

**CONTAINMENT AND CLEAN-UP MEASURES:**

Stop spill at source.

**SECTION 7. HANDLING AND STORAGE**

**HANDLING**

Use only with adequate ventilation. Avoid or repeated 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, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

**STORAGE**

Isolate from strong oxidants.  
Keep container tightly closed & upright when not in use to prevent leakage.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Sodium Carbonate	497-19-8	-	None Known	None Known
Sodium Metasilicate	6834-92-0	-	None Known	None Known
2-Butoxyethanol	111-76-2	203-905-0	50 ppm S	20 ppm S
Sodium Tripolyphosphate	7758-29-4	-	None Known	None Known
Orange Peel Terpene	8028-48-6	-	None Known	50 ppm

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

#### RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

#### VENTILATION

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

#### PERSONAL PROTECTIONS:

Wear OSHA Standard goggles & gloves as a standard practice.

### SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Yellow Powder
ODOR:	Orange, Lemon, Lime
ODOR THRESHOLD:	Not Available
pH (Neutrality):	12.2
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP, 50%, Dry Point):	Not Applicable
FLASH POINT (TEST METHOD):	No Flash to Boiling Point
EVAPORATION RATE (n-BUTYL ACETATE=1):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Not Available
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
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):	0.949
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 extreme 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.  
 Breathing vapor can cause irritation.  
 Acute overexposure can cause harm to kidneys, blood, nerves, liver, lungs.

#### **SWALLOWING:**

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**

Chronic overexposure can cause harm to kidneys, blood, nerves, liver, lungs.  
 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%.  
 Absorption thru skin may be harmful.

**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**

<b>MATERIAL</b>	<b>CAS#</b>	<b>EINECS#</b>	<b>LOWEST KNOWN LETHAL DOSE DATA</b>
Ethylene Glycol Butyl Ether	111-76-2	-	LOWEST KNOWN LD50 (ORAL) 320.0 mg/kg (Rabbits)
Ethylene Glycol Butyl Ether	111-76-2	-	LOWEST KNOWN LC50 (VAPORS) 700 ppm (Mice)
Ethylene Glycol Butyl Ether	111-76-2	-	LOWEST KNOWN LD50 (SKIN) 440.0 mg/kg (Rabbits)

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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:**

The most sensitive known aquatic group to any component of this product is: Tidewater Silversides 1250 ppm or mg/L (96 hour exposure). Keep out of sewers and natural water supplies.

**MOBILITY IN SOIL**

Mobility of this material has not been determined.

**DEGRADABILITY**

This product is partially 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 Regulate  
EMERGENCY RESPONSE GUIDEBOOK NUMBER: None



**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)
*2-Butoxyethanol	111-76-2	203-905-0	0- 5	(313)	None

**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.

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

**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)  
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: 0  
(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.