



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: VIPER RENEW CH49

SECTION 1: PRODUCT INFORMATION

PRODUCT NAME: Viper Renew

MANUFACTURER:

Hydro-Force Manufacturing

4282 W 590 W

Salt Lake City, Utah 84123

Company Phone Number: 801-268-2673

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

Date Prepared: 2/1/2011

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

Fire: 0 Health: 2 Reactivity: 0

SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENTS:	OSHA PEL	TLV
Organic Salt (Proprietary	N/E	N/E
Glycol Ether DPNB (CAS # 29911-28-2)	N/E	N/E

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview: This product is a colourless to amber liquid with a acrid odor. It is severe eye irritant to the eyes and a mild skin irritant. If ingested, this product may be harmful or fatal.

Potential Health Effects:

Eye: Product expected to be a severe eye irritant.

Skin: Prolonged or repeated contact can cause irritation.

Non Corrosive to Skin: (as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous Material Regulations, Canada's WHMIS regulations and TDG Regulations. Classified as a mild skin irritant as per the 1992 OECD Guideline for Testing of Chemicals, Number 404 "Acute Dermal Irritation/Corrosion.")

Ingestion: This product may be harmful if ingested.

Inhalation: Not a likely route of exposure due to physical properties. Product has a very low vapor pressure at room temperature and is not expected to present an inhalation hazard under ambient conditions.

Chronic Effects:

Skin: Prolonged or repeated exposure can cause drying, defatting, and dermatitis.

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria. Not listed by IARC, NTP, or ACGIH.

SECTION 4 - FIRST AID MEASURES

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

Skin: Immediately flush with mild soap and water for 15 minutes. Seek medical attention if irritation develops. Remove contaminated clothing and launder before reuse.

Eye: Immediately flush with water for 15 minutes. Seek medical attention.

Ingestion: Do not induce vomiting. If conscious, give 3-4 glasses of water to dilute and get immediate medical care.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability: Not Flammable

Flash Point : Does not ignite

Autoignition Temperature : Not applicable

Flame Propagation or Burning Rate of Solid Materials: Not applicable

Sensitivity to Static Discharge: Not applicable

Sensitivity to Mechanical Impact: Not applicable

Extinguishing Media: Water spray, carbon dioxide, and dry chemical.

Special Fire Fighting Procedures: Evacuate personnel to a safe area. Keep containers cool with water spray. Avoid breathing decomposition products. Wear self-contained breathing apparatus and full body protection.

Hazardous Decomposition Products: Thermal decomposition may yield but not limited oxides of carbon and nitrogen. Hydrogen gas may be released upon contact with certain metals.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Collect for disposal. Clean up remaining materials from spill with suitable absorbent. Small spills may be absorbed with non-reactive absorbent (sand) and placed in suitable, covered, labeled containers.

SECTION 7 – HANDLING AND STORAGE

Keep Out Of Reach Of Children. Keep container tightly closed. Store in fiberglass, polyethylene, or polypropylene containers. Do not store in metal containers, especially aluminum. Storage in certain metal containers at temperatures above 60°C/140°F may result in hydrogen gas evolution. Do not store at temperatures above 48°C/120°F.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Not normally required.

Respiratory protection: Not normally required if good ventilation is maintained. Avoid breathing vapor and/or mist.

Eye protection: use chemical goggles.

Skin protection: use impervious (rubber, nitrile) gloves.

Work Hygienic Practices: The usual precaution for the handling of chemicals must be observed

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless to pale amber liquid

Activity, %: > 75 % Typical

Specific Gravity (H₂O = 1): 1.36 +/- 0.2

Density (25°C): 11.3 lbs./gal

Solubility In Water: Soluble (100% in water)

Boiling Point: 100°C/212°F

Freezing Point: < -30°C

Odor: very mild odor

pH: <1 (Typical)

Vapour Pressure (@20°C): < 0.1mm Hg

% VOC: 0

SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Conditions to Avoid: Heating above 110°C results in an exothermic decomposition with release of CO₂ gas.

Incompatible Materials: Avoid contact with oxidizers. This material may be extremely hazardous in contact with chlorates or nitrates. This material is acidic. Contact with hypochlorites (e.g. chlorine bleach, sulfides, or cyanides will liberate toxic gases. Contact with alkaline materials (e.g. aqua ammonia) will generate heat.

Hazardous Decomposition Products: Thermal decomposition may yield, but not limited to oxides of carbon and nitrogen. Hydrogen gas may be released upon contact with certain metals.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Organic Salt

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria. Not listed by IARC, NTP, or ACGIH.

Acute skin irritation/corrosion test: This product was found to be not Corrosive to the skin after 4 hours of direct skin contact.

Glycol Ether DPNB

Ingestion -LD50, Rat, female 3,700 mg/kg LD50, Rat, male 4,400 mg/kg

Skin Absorption -LD50, Rabbit, male 6,490 mg/kg, LD50, Rabbit, female 5,330 mg/kg

Inhalation -LC50, 4 h, Aerosol, Rat > 2.04 mg/l

SECTION 12 – ECOLOGICAL INFORMATION

Organic Salt

Environmental Fate: Urea and organic salt are known to be biodegradable.

Fish, Acute Toxicity Test, OECD 203: 96 hour, LC50 >100 mg/L (rainbow trout)

Glycol Ether DPNB

Fish Acute & Prolonged Toxicity -LC50, guppy (*Poecilia reticulata*), 96 h: 841 mg/l

Aquatic Invertebrate Acute Toxicity -LC50, water flea *Daphnia magna*: > 1,000 mg/l

SECTION 13 – DISPOSAL CONSIDERATIONS

Contain with chemical absorbent material. Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be 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 - TRANSPORT INFORMATION

Information should be verified against current publications to ensure regulatory compliance.

DOT Hazard Class: Consumer Commodity; ORM-D

ICAO/IATA: UN1760; Corrosive Liquid, NOS (Urea Monohydrochloride); 8; PG III

Check for limited quantity criteria

IMDG: UN1760; Corrosive Liquid, NOS (Urea Monohydrochloride); 8; PG III

Check for limited quantity criteria

SECTION 15 - REGULATORY INFORMATION

US Federal Regulations:

All components are listed on TSCA

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