HYDRO-FORCE™

# SAFETY DATA SHEET

**Supersedes Date:** 23 May 2018 **Revision Date:** 13 Feb 2023 **Version:** 2.0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

| | |
|---|---|
| **Product Label Name** | Viper 7 |
| **Other means of identification** | |
| **UPC Code(s)** | Not applicable |
| **Product code** | CH45 |
| **Synonyms** | None |

**Recommended use of the chemical and restrictions on use**

| | |
|---|---|
| **Recommended Use** | Carpet cleaning booster and deodorizer |
| **Uses advised against** | Follow label instructions. Not recommended for any use except intended use. |

**Supplier's details**

| **Supplier Address** | **Manufacturer Address** |
|---|---|
| Aramsco Inc. | Aramsco Inc. |
| 4282 South 590 West | 4282 South 590 West |
| Salt Lake City, UT 84123 | Salt Lake City, UT 84123 |
| USA | USA |

**Emergency telephone number**

| | |
|---|---|
| **Company Phone Number** | 1-801-268-2673 |
| **Company Emergency Phone Number** | United States: 1-800-535-5053 (INFOTRAC – 24 hours, 7 days a week)<br>International: 1-352-323-3500 (INFOTRAC – 24 hours, 7 days a week) |
| **Emergency telephone** | Poison Control 1-800-222-1222 (24 hour) |

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|---|---|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 1 |

**GHS Label elements, including precautionary statements**

**Emergency Overview**

**Danger**

**Hazard Statements**
Causes skin irritation
Causes serious eye damage



The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Clear Liquid **Physical state** liquid **Odor** Lemon

**Precautionary Statements - Prevention**
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

**Hazards not otherwise classified (HNOC)**

**Other information**

General Hazards Keep out of reach of children
Please see Section 11. Toxicological Information for further information

11.99% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % | Trade Secret |
|---|---|---|---|
| ALCOHOLS, C9-11, ETHOXYLATED | 68439-46-3 | 10 - 20 | * |
| DIPROPYLENE GLYCOL MONOMETHYL ETHER | 34590-94-8 | 1 - 5 | * |
| Proprietary Polymer | Proprietary | 1 - 5 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret

## 4. FIRST AID MEASURES

**First aid measures for different exposure routes**

**General advice** If symptoms persist, call a physician.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin contact** Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Toxic - Inhalation** Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Consult a physician. Do NOT induce vomiting.

**Protection of First-aiders** Use personal protective equipment.

**Most important symptoms/effects, acute and delayed**

**Main Symptoms** No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**
No information available.

**Hazardous Combustion Products** No information available.

**Explosion Data**
**Sensitivity to Mechanical Impact** None.
**Sensitivity to Static Discharge** None.

**Protective Equipment and Precautions for Firefighters**
Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Advice for emergency responders** For personal protection see section 8.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Do not breathe vapors or spray mist.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

**Packaging material** Keep product in packaging product is initially sold in.

**Incompatible products** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines** .

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| DIPROPYLENE GLYCOL MONOMETHYL ETHER<br>34590-94-8 | STEL: 150 ppm<br>TWA: 100 ppm<br>S* | TWA: 100 ppm<br>TWA: 600 mg/m$^3$<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 600 mg/m$^3$<br>(vacated) STEL: 150 ppm<br>(vacated) STEL: 900 mg/m$^3$<br>(vacated) S*<br>S* | IDLH: 600 ppm<br>TWA: 100 ppm<br>TWA: 600 mg/m$^3$<br>STEL: 150 ppm<br>STEL: 900 mg/m$^3$ |

*NIOSH IDLH: Immediately Dangerous to Life or Health*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Measures** Showers
Eyewash stations
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Tightly fitting safety goggles. Face-shield.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical state** | liquid | | |
| **Appearance** | Clear Liquid | **Odor** | Lemon |
| **Color** | amber | **Odor threshold** | No information available |

| Property | Values | Remarks • Method |
|---|---|---|
| **pH** | 8.3 | |
| **Melting point** | No information available | |
| **Boiling point/boiling range** | > 100 °C / 212 °F | |
| **Flash Point** | > 94 °C / > 201 °F | |
| **Evaporation rate** | No information available | |
| **Flammability (solid, gas)** | No information available | |
| **Flammability Limits in Air** | | |
| **Upper Flammability Limit** | No information available | |
| **Lower Flammability Limit** | No information available | |
| **Vapor pressure** | 17.5 | |
| **Vapor density** | 0.67 | |
| **Specific Gravity** | 1.093 | |
| **Water solubility** | Soluble in water | |
| **Solubility in other solvents** | No information available | |
| **Partition coefficient: n-octanol/water** | No information available | |
| **Autoignition temperature** | No information available | |
| **Decomposition temperature** | No information available | |
| **Viscosity, kinematic** | No information available | 200 cps |
| **Viscosity, dynamic** | No information available | |
| **Explosive properties** | No information available | |
| **Oxidizing Properties** | No information available | |

**Other information**

| | |
|---|---|
| **Softening point** | No information available |
| **Molecular weight** | No information available |
| **VOC Content(%)** | No information available |
| **Density VALUE** | No information available |
| **Bulk Density VALUE** | No information available |

## 10. STABILITY AND REACTIVITY

**Reactivity**

**Chemical stability**
Stable under recommended storage conditions.

**Possibility of hazardous reactions**
None under normal processing.

**Hazardous Polymerization** None under normal processing.

**Conditions to Avoid**
Extremes of temperature and direct sunlight.

**Incompatible Materials**
None known based on information supplied.

**Hazardous Decomposition Products**
None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Toxic - Inhalation** Avoid breathing vapors or mists. May cause irritation of respiratory tract.

**Eye contact** Avoid contact with eyes. Risk of serious damage to eyes. Irritating to eyes.

**Skin contact** Avoid contact with skin. Irritating to skin. Prolonged contact may cause redness and irritation.

**Ingestion** Do not taste or swallow. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| ALCOHOLS, C9-11, ETHOXYLATED 68439-46-3 | = 1400 mg/kg ( Rat ) = 1378 mg/kg ( Rat ) | > 2 g/kg ( Rabbit ) | |
| DIPROPYLENE GLYCOL MONOMETHYL ETHER 34590-94-8 | = 5400 µL/kg ( Rat ) | = 9500 mg/kg ( Rabbit ) | |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** No information available.
**Eye damage/irritation** No information available.
**Sensitization** No information available.
**Germ Cell Mutagenicity** No information available.
**Carcinogenicity** No information available.
**Reproductive toxicity** No information available.
**Developmental Toxicity** No information available.
**STOT - single exposure** No information available.
**STOT - repeated exposure** No information available.
**Chronic toxicity** Avoid repeated exposure.
**Target Organ Effects** Central nervous system, Eyes, Respiratory system.
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 11.99% of the mixture consists of ingredient(s) of unknown toxicity
**The following values are calculated based on chapter 3.1 of the GHS document** .
**ATEmix (oral)** 25624 mg/kg
**ATEmix (dermal)** 7402 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

33.215% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to daphnia and other aquatic invertebrates |
|---|---|---|---|
| DIPROPYLENE GLYCOL MONOMETHYL ETHER 34590-94-8 | | | 1919: 48 h Daphnia magna mg/L LC50 |

**Persistence and degradability**
No information available.

**Bioaccumulation**
No information available.

| Chemical Name | Partition coefficient |
|---|---|

| | |
|---|---|
| DIPROPYLENE GLYCOL MONOMETHYL ETHER<br>34590-94-8 | -0.064 |

**Other adverse effects** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment**

**Waste Disposal Methods** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

| | |
|---|---|
| **TSCA** | Complies |
| **DSL/NDSL** | Complies |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | SARA 313 - Threshold Values % |
|---|---|
| DIPROPYLENE GLYCOL MONOMETHYL ETHER - 34590-94-8 | 1.0 |

**SARA 311/312 Hazard Categories**

| | |
|---|---|
| **Acute Health Hazard** | Yes |
| **Chronic Health Hazard** | No |
| **Fire Hazard** | No |
| **Sudden Release of Pressure Hazard** | No |
| **Reactive Hazard** | No |

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

## US State Regulations

**California Proposition 65**
This product can expose you to chemicals including Acetaldehyde, which is known to the State of California to cause cancer, and Ethylene Glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**U.S. State Right-to-Know Regulations**

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| DIPROPYLENE GLYCOL MONOMETHYL ETHER 34590-94-8 | X | X | X |

**U.S. EPA Label information**
**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health hazard** 2 | **Flammability** 1 | **Instability** 0 | **Physical and chemical hazards** - |
| **HMIS** | **Health hazard** 2 | **Flammability** 1 | **Physical Hazard** 0 | **Personal protection** X |

**Prepared By** Aramsco
Environmental Health & Safety
**Revision Date** 13 Feb 2023
**Revision Note**
13 Feb 2023 – Update Prop 65 Warning
23 May 2018 – No information available

**Disclaimer**
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**End of Material Safety Data Sheet**