

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Date Prepared: 04-19-13

Product Identifier: **VIPER HD (Formerly called: Double Duty Detergent/Degreaser Concentrate)**

Manufacturers Part # RT390G

General Use: Detergent/Degreaser

Chemical Family: Aqueous Mixture

Manufacturer Refrigeration Technologies (www.refrigtech.com)

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SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components CAS# WEIGHT % TWA PEL STEL EINECS#

This product does not contain any reportable hazardous components by OSHA or other International Standards

SECTION 3 - HAZARDOUS IDENTIFICATION

HMIS: H=0, F=0, R=0, S=0

Emergency Overview: Eye Irritation/Discomfort. Possible Skin Irritation

Potential Health Effects:

EYES: Irritation or Burning Sensation

SKIN: Irritation possible with sensitive persons

INGESTION: Irritation to nausea.

INHALATION: Not expected to be a hazard

Carcinogenic: No NTP? No IARC Monographs? No OSHA Regulated? No

SECTION 4 - FIRST AID MEASURES:

EYES: Flush with water for 15 minutes. If irritation persists, call physician

SKIN: Wash off with soap and water.

INGESTION: Drink large amounts of water. Call physician

INHALATION: Get person to fresh air. Call physician

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

NFPA Hazard Rating: H=0, F=0, R=0, S=0

Flash Point: None Flammable Limits: Not Tested LEL: Not Tested UEL: Not Tested

Extinguishing Media: Water, CO2 or Dry Foam Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None Hazardous Combustion Products: Hydrocarbons, CO, CO2

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Soak up with inert, absorbent material. Scoop up and place in a proper waste disposal container. Dispose of in accordance with federal, state and local regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions to be taken in handling and storing: Store in a cool, dry place, out of direct sunlight. Do not freeze or heat above 120 F. Keep container closed.

Other precautions: KEEP OUT OF REACH OF CHILDREN

SECTION 8 - EXPOSURE/CONTROL MEASURES

Hazardous Component	NIOSH TWA/STEL	ACGIH TWA/STEL
None	NA/NA	NA/NA

Respiratory Protection: Open all doors and windows. If there is an exposure and it is above the TLV or PEL, a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required

Ventilation: Local Exhaust: If available Special: None
Mechanical: If available Other: None

Protective Gloves: Plastic or Rubber, Chemical Resistant

Eye Protection: Glasses, Goggles

Other Protective Clothing or Equipment: None

Work Hygienic Practices: Use common sense and care around chemicals. Never mix chemicals. Consult your supervisor for other practices. All practices depend on your specific business. Directions for use are normally found on label that will dictate engineering and control measures.

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SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

Boiling Point >212F/100C Specific Gravity: 1.18
Vapor Pressure: Not Tested pH: 8-9
Vapor Density: Not Tested Evaporation Rate: Not Tested
Solubility in Water: Complete Appearance and Odor: Yellow, Sweet
Viscosity: Not tested Freeze Point: 32F/0C

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: None
Incompatible Materials to Avoid: Strong oxidizers, Chlorine
Hazardous Decomposition or Byproducts: CO, CO2
Hazardous Polymerization: Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS#	EINECS#	LC50 Inhaled	LD50 oral	LD50 dermal
None	NA	NA	NE	NE	NE

Possible effects of exposure are:

EYES: May cause mild to moderate irritation
SKIN: Slight irritant to skin in sensitive individuals
SKIN ABSORPTION: None to Slight
INHALATION: If heated excessive inhalation of vapors can cause nasal and respiratory irritation.
INGESTION: May cause gastrointestinal distress/irritation.
CHRONIC EFFECTS: None known to occur.

SECTION 12 - ECOLOGICAL INFORMATION

Product is composed of readily biodegradable ingredients. None of the components are known to have aquatic toxicity or other negative environment impact. Always prevent chemicals from entering watercourses, sewer or drain without proper authorization.

SECTION 13 - DISPOSAL CONSIDERATIONS

Always follow Federal, State and Local codes before disposal of any chemicals. Consult with an expert in your area on proper disposal methods. Chemicals should never be allowed to enter sewers, watercourses or low areas without proper authorization. Empty containers should be thoroughly rinsed and offered for recycling.

SECTION 14 - TRANSPORTATION INFORMATION

DOT: Not Regulated Proper Shipping Name: Not Regulated
IMDG: Not Regulated Proper Shipping Name: Not Regulated
IATA: Not Regulated Proper Shipping Name: Not Regulated

SECTION 15 - REGULATORY INFORMATION

SARA/CERCLA: No reportable ingredients. Not subject to any special reporting.
TSCA: Components are listed on the TSCA Inventory
EINECS: Yes
ADG: Non-Toxic, Non-Flammable
CALIFORNIA PROP 65: No reportable ingredients
CPR: None Listed: "This product MSDS contains all the information required by the CPR."
IDL: None
DSL/NDSL: All Ingredients Listed
SAFETY PHRASE: S1/2/25
WHIMIS STATUS: This product does not require hazardous labeling or symbols.
VOC Content: 0 grams/liter

SECTION 16 - OTHER INFORMATION

NSF Registration Number 120080, Non-Food Compound, Category A1
Product may be use around food and on food equipment as per NSF Category A1.

Manufacturer Disclaimer: This information relates to the specific materials designated herein and may not be valid for such materials used in combination with any other material. The information contained in this document is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information.

Date Prepared: 04-19-13
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