



SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: VIROFENSE WATERLESS HAND SANITIZER

MANUFACTURER: GEOPAK SOLUTIONS LLC
203 ECHELON ROAD
Greenville, SC 29605

EMERGENCY PHONE: 1-800-424-9300 CHEMTREC
COMPANY PHONE: 864-263-7111

TRADE NAME: VIROFENSE HAND SANITIZER
PRODUCT USE: To wash hands and surfaces to kill germs and viruses.
FORMULA: Proprietary
CHEMICAL FAMILY: QUATERNARY

SECTION 2: COMPOSITION/INFORMATION OF HAZARDOUS INGREDIENTS

INGREDIENTS	CAS NUMBER	%
Alkyl Dimethyl Benzyl Ammonium chloride (CI 2-18)	68391-01-5	0.25
Water	7732-18-5	> 90.00

In accordance with CDC formula

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This is an orange liquid with an orange odor. No expected health hazards.

IMMEDIATE HEALTH, PHYSICAL AND ENVIRONMENTAL HAZARDS: No health problems at all.

OSHA HAZARD CLASSIFICATION

None

PRECAUTIONARY STATEMENTS:

Keep container tightly closed
Store in cool/well ventilated place

HMIS III	
HEALTH	1
FLAMABILITY	0
PHYSICAL HAZARDS	0
PERSONAL PROTECTION	X

THIS MIXTURE IS NOT CONSIDERED HAZARDOUS BY THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

SECTION 4: FIRST AID MEASURES

IF INHALED:	No problems in if inhaled
IF ON SKIN :	No problems if applied to Skin
IF IN EYES :	If Symptoms are experienced, remove source of contaminations or move victim to fresh air. If the affected person is not breathing, apply artificial respiration, if breathing is difficult give oxygen, get medical attention immediately.
IF INGESTED:	If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY:	Non Flammable
FLASHPOINT:	No Flash Point seen at or below 212 Deg. F (100 DEG. F) ASTM D-93
SUITABLE EXTINGUISHING MEDIA:	Use dry Chemical, CO2 and water spray or " Alcohol " foam.
EXTINGUISHING MEDIA TO AVOID:	High Volume Jet water.
PRODUCTS OF COMBUSTION:	In event of fire created carbon oxides
SPECIAL PROTECTIVE EQUIPMENT:	Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Not Applicable
ENVIRONMENTAL PRECAUTIONS:	Prevent runoff from entering drains, sewers or waterways.
METHOD FOR CONTAINMENT:	Dike or Soak-up with inert Absorbent material.
METHOD FOR CLEAN UP:	Dilute with Water and rinse into sanitary sewer system or dispose into suitable container.

SECTION 7: HANDLING AND STORAGE

HANDLING:	Ensure adequate ventilation. Keep out of reach of children.
STORAGE:	Keep container tightly closed. Keep container tightly closed. Keep in cool dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES:	No components listed with TWA or STEL values under OSHA or ACGIH
EXPOSURE CONTROLS:	
EYE CONTACT:	Use protective glasses if splashing or spray-back is likely.
RESPIRATORY:	Use in well ventilated areas.
SKIN CONTACT:	Dermal sensitive individuals should not use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Orange Liquid
ODOR:	Orange
ODOR THRESHOLD (PPM):	Mild
PH:	6.7
FREEZING POINT:	32 F
BOILING POINT:	Not Applicable
FLASHPOINT:	Not Applicable
EVAPORATION RATE:	Estimated slower than Ethyl Ether
FLAMMABILITY:	Not Applicable
EXPLOSIVE LIMITS (mmHg):	Not Applicable
VAPOR DENSITY:	Estimated heavier than air
RELATIVE DENSITY:	Not applicable
SOLUBILITY:	100%
PARTITION COEFFICIENT:	N-OCTANOL/WATER: Not available
AUTO-IGNITION TEMPERATURE:	NOT APPLICABLE
DECOMPOSITION TEMPERATURE:	NOT APPLICABLE
VISCOSITY:	50 CPS@25

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions
REACTIVITY:	Non-Reactive
CONDITIONS TO AVOID:	Heat, Flames, and sparks
INCOMPATIBLE MATERIALS:	Strong oxidizing agents, Anionic Surfactants
HAZARDOUS DECOMPOSITION PRODUCTS:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

EFFECTS OF EXPOSURE:	Not expected to be hazardous under typical use conditions.
ACUTE TOXICITY:	Acute oral LD50 RAT : 50-500 mg/kg
EYES:	Minimal irritant per ocular Irritation (R*) Assay Modeling.
SKIN:	Non Irritant per dermal Irritations (R*) Assay Modeling.
AQUATIC TOXICITY:	Very toxic to aquatic organisms
TERRESTRIAL TOXICITY:	No Data Available
PERSISTENCE AND DEGRADABILITY:	No Data available
MOBILITY:	No Data available
BIOACCUMULATION :	Not applicable

SECTION 12: DISPOSAL CONSIDERATIONS

APPROPRIATE METHOD FOR DISPOSAL:

CONTAINER DISPOSAL.

Do not reuse empty container. Triple rinse empty container with water. return metal drum then offer for reconditioning or puncture and dispose of in sanitary landfill, or by other procedures approved by the State and local authorities. Plastic containers may be disposed of in a sanitary landfill, incinerated, or if allowed by local authorities, by burning. If burned stay out of smoke. offer for recycling if available.

USED PRODUCT: Used product may be hazardous depending on the cleaning application and resulting contaminants.

EMPTY CONTAINERS: Triple-rinse with water and offer for recycling if available in your area.

SECTION 13: TRANSPORT INFORMATION

US (DOT)/ CANADIAN TDG: NOT REGULATED FOR SHIPPING

IMO/ID MC :	NOT CLASSIFIED AS HAZARDOUS
ICAO/IATA:	NOT CLASSIFIED AS HAZARDOUS
ADR/RID:	NOT CLASSIFIED AS HAZARDOUS
UN NUMBER:	NOT APPLICABLE
HAZARD CLASS:	NON HAZARDOUS
PROPER SHIPPING NAME:	DETERGENT/CLEANING SOLUTION
MARINE POLLUTANT:	NO

SECTION 14: REGULATORY INFORMATION

ALL COMPONENTS OF THIS MATERIAL ARE EITHER EXEMPT OR LISTED ON THE US TSCA INVENTORY.

SARA TITLE III:

SECTIONS 311/313: NOT APPLICABLE

SECTIONS 313: NOT APPLICABLE

SECTIONS 302: NOT APPLICABLE

STATE RIGHT TO KNOW LISTS NO INGREDIENTS LISTED

SECTION 15: OTHER INFORMATION

OTHER INFORMATION: None known

PREPARATION INFORMATION: IN ACCORDANCE WITH GOOD PRACTICES FO PERSONAL CLEANLINESS AND HYGIENE. HANDLE WITH DUE CARE AND AVOID UNNECESSARY CONTACT WITH THIS PRODUCT.

DISCLAIMER: This information is supplied under the OSHA Hazard Communication Standard and is offered in good faith based on data available to us that we believe to be true and accurate. General industrial hygiene and safe handling procedures are believed to be applicable to this product. Each user should review these recommendations in the specific context of intended use and determine applicability. No warranty, expressed or implied, is made regarding the accuracy of this data, the hazards connected with the use of this material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of this product described herein. Data provided here are typical and not intended for use as product specifications