SAFETY DATA SHEET
Viper Hand Cleaner Gel

Printed: 04/17/2020
Revision: 04/15/2020
Supersedes Revision: 03/23/2020

1. Product and Company Identification

Product Code: RT8916 or RT8989
Product Name: Viper Hand Sanitizer Gel
Company Name: Refrigeration Technologies
1111 N Armando St
Anaheim, CA 92806
Phone Number: (714)238-9207
Web site address: www.refrig.com
Emergency Contact: Chemtel (888)255-3924

Recommended Use: Hand Sanitizer

2. Hazards Identification

Flammable Liquids, Category 3
Serious Eye Damage/Eye Irritation, Category 2A



GHS Signal Word: **Warning**

GHS Hazard Phrases:
H226 - Flammable liquid and vapor.
H319 - Can cause serious eye irritation.

GHS Precaution Phrases:
P233 - Keep container tightly closed.
P102 - Keep out of reach of children.

GHS Response Phrases:
P305+351+338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 - If eye irritation persists, get medical attention immediately.
P301+312 - If swallowed: Call a Poison Center or doctor if you feel unwell.

GHS Storage and Disposal Phrases:
P403+235 - Store in cool/well-ventilated place.
P501 - Dispose of contents and container according to the local, city, state and federal regulations.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
64-17-5	Ethyl alcohol	60.0 -70.0 %	
67-63-0	Isopropyl alcohol	1.0 -5.0 %	

4. First Aid Measures

Emergency and First Aid Procedures: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In Case of Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In Case of Skin Contact: Gently wash with plenty of soap and water if skin irritation occurs. Not expected to be a problem.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Indication of any immediate medical attention and special treatment needed: No data available.

5. Fire Fighting Measures

Flash Pt: 18.00 C Method Used: Estimate

Explosive Limits: LEL: N/E UEL: N/E

Autoignition Pt: No data.

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary.

Flammable Properties and Hazards: Carbon oxides.

Hazardous Combustion Products: No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapor can accumulate in low areas.
For personal protection see section 8. Evacuate personnel to safe areas.

Steps To Be Taken In Case Material Is Released Or Spilled: Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2. Use explosion-proof equipment.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 -8 - 8 deg.C.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64-17-5	Ethyl alcohol	PEL: 1000 ppm	TLV: 1000 ppm	No data.
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.

Respiratory Equipment (Specify Type):	No special requirements under normal use conditions.
Eye Protection:	Eye protection is not normally required.
Protective Gloves:	Glove protection is not normally required.
Other Protective Clothing:	is not required.
Engineering Controls (Ventilation etc.):	No data available.

9. Physical and Chemical Properties

Physical States:	[ ] Gas [X] Liquid [ ] Solid
Appearance and Odor:	Clear colorless liquid with alcohol odor.
pH:	~ 6.00 - 9.00
Melting Point:	No data.
Boiling Point:	No data.
Flash Pt:	18.00 C Method Used: Estimate
Evaporation Rate:	NE
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: N/E UEL: N/E
Vapor Pressure (vs. Air or mm Hg):	NE
Vapor Density (vs. Air = 1):	NE
Specific Gravity (Water = 1):	~ 0.880
Density:	~ 7.34 LB/GA
Bulk density:	NE
Solubility in Water:	100%
Saturated Vapor Concentration:	NE
Octanol/Water Partition Coefficient:	No data.
VOC / Volume:	~ 612.5000 G/L
Autoignition Pt:	No data.
Decomposition Temperature:	No data.
Viscosity:	~ 2,500 cps - 3,500 cps
Particle Size:	NE
Heat Value:	NE
Corrosion Rate:	NE

10. Stability and Reactivity

Reactivity:	No data available.
Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	Heat, flames and sparks.
Incompatibility - Materials To Avoid:	Oxidizing agents.
Hazardous Decomposition or Byproducts:	No data available. In the event of fire: see section 5. Other decomposition products:
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid -	None.

Hazardous Reactions:

11. Toxicological Information

Toxicological Information: CAS# 64-17-5: Open irritation test., Skin, Species: Rabbit, 400.0 MG. Result: Kidney, Ureter, Bladder:Changes in tubules (including acute renal failure, acute tubular necrosis). ; Union Carbide Data Sheet, Union Carbide Corp., 39 Old Ridgebury Rd., Danbury, CT 06817, Vol/p/yr: 7/22, 1970

Sensitization: No data available.

Carcinogenicity/Other Information: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. IARC: 3 -Group 3: Not classifiable as to its carcinogenicity to humans.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64-17-5	Ethyl alcohol	n.a.	1	A4	n.a.
67-63-0	Isopropyl alcohol	n.a.	3	A4	n.a.

12. Ecological Information

General Ecological Information: Readily biodegradable.
CAS# 64-17-5: LC50, Asiatic Clam (Corbicula manilensis), 60000. MG/L, 96 H, Mortality, Water temperature: 16.00 C C, Hardness: 26.00 MG/L. Result: No observed effect. ; Toxicity of Fishery Chemicals to the Asiatic Clam, Corbicula manilensis, Chandler, J.H.,Jr., and L.L. Marking, 1979

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other adverse effects: No data available.

13. Disposal Considerations

Waste Disposal Method: Observe all federal, state, and local environmental regulations.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Quart and one gallon: Limited Quantity.
Five Gallons or Higher: UN1987, Alcohols, n.o.s., (Contains Ethanol, Propan-2-ol), 3, PG III.

DOT Hazard Class: 3 FLAMMABLE LIQUID

UN/NA Number: UN1987 **Packing Group:** III



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: UN1987, Alcohols, n.o.s., (Contains Ethanol, Propan-2-ol), 3, PG III.

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: UN1987, Alcohols, n.o.s., (Contains Ethanol, Propan-2-ol), 3, PG III.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: UN1987, Alcohols, n.o.s., (Contains Ethanol, Propan-2-ol), 3, PG III.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64-17-5	Ethyl alcohol	No	No	No
67-63-0	Isopropyl alcohol	No	No	Yes

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:	[X] Yes [ ] No	Acute (immediate) Health Hazard
	[ ] Yes [X] No	Chronic (delayed) Health Hazard
	[X] Yes [ ] No	Fire Hazard
	[ ] Yes [X] No	Sudden Release of Pressure Hazard
	[ ] Yes [X] No	Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64-17-5	Ethyl alcohol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8
67-63-0	Isopropyl alcohol	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8

16. Other Information

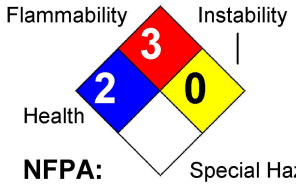
Revision Date: 04/15/2020

Hazard Rating System:

HMIS:



NFPA:



Additional Information About This Product: No data available.

Company Policy or Disclaimer: The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.