

# Material Safety Data Sheet

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

NFPA Fire: 3  
Health: 1  
Reactivity: 1

## SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name, Address Franklin Cleaning Technology - PO Box 214 Great Bend KS 67530

Product Name: Vanguard Disinfectant Spray

Product Number: F8062

Chemical Family: Pressurized alcoholic solution of surfactant

Package Size: 16 oz

EPA Reg. No: 211-32-1124

Emergency Telephone No. 620-792-1711

Preparer: Bill Dayton

Date: 11/18/02

Signature:

## SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

Hazardous Components	CAS#	OSHA TWA	ACGIH TWA	Percent
Ethanol	64-17-5	1000 ppm	1000 ppm	69.6
Ortho-phenylphenol	90-43-7	NE	NE	0.2
Isobutane	75-28-5	1000 ppm	800 ppm	
*Water	7732-18-5			

## SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

No Physical Hazards	<input type="checkbox"/>	Flammable Gas	<input type="checkbox"/>	Flammable Liquid/Solid	<input type="checkbox"/>	Water Reactive	<input type="checkbox"/>
Combustible	<input type="checkbox"/>	Flammable Aerosol	<input checked="" type="checkbox"/>	Pyrophoric	<input type="checkbox"/>	Oxidizer	<input type="checkbox"/>
Compressed Gas	<input type="checkbox"/>	Explosive	<input type="checkbox"/>	Unstable - Reactive:	<input type="checkbox"/>	Organic Peroxide	<input type="checkbox"/>

Boiling Point, °F: Compressed Gas Solubility in Water: Complete Evaporation Rate: >1  
Vapor Pressure: 48 psig Specific Gravity (water =1): 0.830 pH: N/A  
Vapor Density: >1 %Volatiles by Weight: 99

Appearance and Odor: Very pale yellow, clear with characteristic odor.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method): LIQ. 68F (TOC) Flammable Limits: LEL: Unknown UEL: Unknown  
Extinguishing Media: CO2, Water, ABC fire extinguisher

Special Fire Keep aerosols cooled with water to prevent bursting

Fighting Procedures:

Unusual Fire and Explosion Hazards: Flammable aerosol. Temperatures in excess of 120F may cause bursting. Contents of ruptured cans contribute flammable materials in the event of fire.

## SECTION V - REACTIVITY DATA

Stability: Unstable  Conditions to Avoid: N/A  
Stable

Incompatibility: Do not mix with any other material.  
(Materials to Avoid)

Hazardous Decomposition Products or Byproducts: With extreme heat or fire, releases usual hydrocarbon decomposition by-products.

Hazardous Polymerization: May Occur:  Will Not Occur:   
Conditions to Avoid: N/A

Comments:

**SECTION VI - HEALTH HAZARD DATA**

Route (s) of entry:	Inhalation	<input checked="" type="checkbox"/>	Skin:	<input checked="" type="checkbox"/>	Eye:	<input checked="" type="checkbox"/>	Ingestion:	<input type="checkbox"/>
No Health Hazard	<input type="checkbox"/>	Reproductive toxin	<input type="checkbox"/>	Sensitizer	<input type="checkbox"/>			
Toxic	<input type="checkbox"/>	Irritant	<input type="checkbox"/>	Carcinogen	<input type="checkbox"/>			
Highly Toxic	<input type="checkbox"/>	Corrosive	<input type="checkbox"/>	See Target Organs	<input checked="" type="checkbox"/>			

**TARGET ORGANS**

Lungs	<input type="checkbox"/>	Eyes	<input checked="" type="checkbox"/>	Blood	<input type="checkbox"/>	Teratogen	<input type="checkbox"/>	Mucous Membranes	<input type="checkbox"/>
Heart	<input type="checkbox"/>	Skin	<input checked="" type="checkbox"/>	Liver	<input type="checkbox"/>	Central Nervous System	<input type="checkbox"/>	Autonomic Nervous System	<input type="checkbox"/>
Kidney	<input type="checkbox"/>	Prostrate	<input type="checkbox"/>	Mutagen	<input type="checkbox"/>	Cardiovascular System	<input type="checkbox"/>	Respiratory System	<input type="checkbox"/>
Carcinogenicity:	None Known	<input checked="" type="checkbox"/>	NTP:	<input type="checkbox"/>	IARC:	<input type="checkbox"/>	OSHA Regulated	<input type="checkbox"/>	

Medical Conditions Generally Aggravated by Exposure:  
None known

Signs and Symptoms of Exposure:  
May cause eye or skin irritation.

Emergency and First Aid Procedures:  
If sprayed on skin or in eyes, thoroughly rinse with water. Call a physician if irritation persists.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be taken in case material is released or spilled:  
Mop up and rinse with detergent and water.

Waste Disposal Method:  
Do not puncture or incinerate. For single units, wrap in newspaper and dispose in trash container. Dispose of multiple units in accordance with Local, State and Federal Regulations.

Potential EPA Hazardous Waste Code(s): D001,D002  
Steps to be taken in handling and storage:  
NFPA "Level 2 Aerosol". Do not use near heat, sparks, or open flame. Contents under pressure. Store at 40 - 90F. Read and follow label use directions. Keep out of reach of children.

**SECTION VIII - CONTROL MEASURES**

Respiratory Protection(Specify Type):  
None required

Ventilation:	Local Exhaust:	Special:
	Mechanical: Optional	
Protective Gloves: Optional	Eye Protection: Recommended	

Other Protective Clothing and Equipment:  
None required

**SECTION IX - SHIPPING INFORMATION**

DOT Proper Shipping Name and Number:  
Consumer Commodity, ORM-D

NE = Not Established  
N/A = Not Applicable