

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard (HCS), 29 CFR 1910, 1200. Standard must be consulted for specific requirements.

HMIS SYMBOL		HMIS	NFPA	NFPA RATING	
HEALTH	2	SEVERE	4	EXTREME	FIRE 4
FLAMMABILITY	4	SERIOUS	3	HIGH	REACTIVITY 0
REACTIVITY	0	MODERATE	2	MODERATE	TOXICITY 2
		SLIGHT	1	SLIGHT	SPECIAL
		MINIMAL	0	INSIGNIFICANT	

NE = Not Established; NA = Not Applicable Evaluation for OSHA HCS Hazardous Non-Hazardous

I. GENERAL INFORMATION

Product Name VAND-X (Aerosol)	Emergency Telephone Number 1-800-535-5053
Chemical Family Mixture	Telephone Number for Information (404) 355-7535
Manufacturer TESTRON INTERNATIONAL	Date Prepared 01-17-91
Manufacturer's Address 1353 ELLSWORTH INDUSTRIAL DRIVE ATLANTA, GEORGIA 30318 USA	Signature of Preparer
	Date Last Revised 03-06-08

II. HAZARDOUS INGREDIENTS

Principal Hazardous Components	Threshold Limit Value (Units)
Propane (74-98-6)	1000 ppm
Butane (106-97-8)	800 ppm
Toluene (108-88-3)	100 ppm
Methyl Ethyl Ketone (78-93-3)	200 ppm
Diacetone Alcohol (123-42-2)	50 ppm
Acetone (67-64-1)	750 ppm

III. PHYSICAL DATA

Boiling Point (°F)	NE	Specific Gravity (H₂O=1)	0.98
Vapor Pressure (mm Hg)	70	Percent Volatile By Volume	NA
Vapor Density (Air=1)	>1	Evaporation Rate (H₂O=1)	>1
Solubility in Water	Disperses	pH	NA

Appearance & Odor: Clear liquid spray with solvent odor.

IV. FIRE & EXPLOSION HAZARD DATA

Flash Point (Test Method): Extremely flammable by Flame Extension Test.

Flammable Limits: LEL NE UEL NE

Extinguishing Media: CO₂, foam, dry chemical.

Special Fire Fighting Procedures: Spray containers with water to cool aerosols involved in a fire. Wear NIOSH/MSHA approved self-contained breathing apparatus.

Unusual Fire & Explosion Hazards: Contents under pressure. Do not expose to temperatures exceeding 120°F (49°C) as containers may vent, rupture, or burst, and release flammable gas.

V. HEALTH HAZARD DATA

OSHA Permissible Exposure Limit NE

ACGIH Threshold Limit Value NE

Carcinogen - NTP Program No

Carcinogen - IARC Program No

Symptoms of Over Exposure:

SKIN: May cause irritation, drying of skin.

EYES: May cause transient irritation, redness, pain, blurred vision.

INHALATION: Irritation of respiratory tract, dizziness, headache, narcosis.

INGESTION: Ingestion in harmful quantities is highly unlikely. Irritant to mouth and mucous membranes.

Medical Conditions Aggravated by Exposure: Acute and chronic liver and kidney diseases, neuritis, and rhythm disorders of heart.

Primary Route(s) of Entry: Skin, Inhalation.

Emergency First Aid:

INHALATION: Remove to fresh air. If dizziness, headache, or nausea persist, **Consult Physician.**

SKIN: Wash with soap and water. If irritation persists, **Get Medical Attention.**

EYES: Flush with water for 15 minutes, lifting both eyelids. If irritation persists, **Get Medical Attention.**

INGESTION: Do not induce vomiting. **Get Immediate Medical Attention.**

VI. REACTIVITY DATA

Stability

Unstable Stable

Conditions to Avoid: High temperatures, open flame.

Incompatibility

Materials to Avoid: Strong oxidizing agents.

Hazardous Polymerization

Yes No

Conditions to Avoid: NA

Hazardous Decomposition Products: CO, CO₂, organic vapors.

VII. ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Eliminate ignition sources. Allow liquid to evaporate in a well-ventilated area or collect on absorbent material. Store in a sealed container in accordance with NFPA 30B for Level 3 Aerosols.

Waste Disposal Method: Place residue into a sealed container and remove to an approved hazardous waste facility as regulations permit. Empty aerosol cans may be disposed of with non-hazardous waste.

VIII. SPECIAL PROTECTION INFORMATION

Eye Protection: Glasses recommended.

Skin Protection: Neoprene or other impervious gloves.

Respiratory Protection (Specific Type): Air supplied respirator should be used in confined areas.

Ventilation Recommended:

- General Mechanical
- Local Exhaust

Other Protection: No.

Hygienic Practices in Handling & Storage: Do not contaminate food or feed stuff. Wash hands after handling.

Precautions for Repair & Maintenance of Contaminated Equipment: NA

Other Precautions: Do not store above 120°F (49°C). Store away from sparks, heaters, or open flames. Do not puncture or incinerate. Read all label precautions before using.