

*** MATERIAL SAFETY DATA SHEET ***

PARKSIDE PROFESSIONAL PRODUCTS
4777 Kent Avenue
Niagara Falls, Ontario L2H 1J5
PHONE: (905) 358-8364

PRODUCT NAME: VESTEC 690
PRODUCT USE: Descaler
PRODUCT CODE: FLD690J
FAX: (905) 358-9680

HMIS RATINGS:
Health 1
Flammability 0
Reactivity 1
PPE B

EMERGENCY TELEPHONE NUMBER: CANUTEC (613) 996-6666 **Preparation Date:** December 1, 2014

SECTION I - Regulatory Information

WHMIS Classification: D2B - not corrosive to skin; corrosive to aluminum; mildly corrosive to steel **TDG:** Not Regulated

SECTION II - Hazardous Ingredients

Chemical Name	Wt/Wt%	CAS #	TLV	LD50 (mg/kg)	LC50
Organic Salt	10-30	506-89-8	not available	not available	not available

SECTION III - Physical Data

Physical State: Liquid **Specific Gravity:** 1.033 **Vapour Pressure (mm Hg @25°C):** Not Available
Viscosity (cps) @ 25°C: Water Thin **pH:** 0.7-1.2 **Odour/Appearance:** Mild/ Clear
Freezing Point: Not Available **Odour Threshold:** Not Available **Coefficient of Water/Oil Distribution:** Not Available
Vapour Density: Not Available **Evaporation Rate:** Not Available **Boiling Point (°C @ 1 atm):** 100

SECTION IV - Fire or Explosion Hazard

Upper Flammable Limit: Not Applicable **Lower Flammable Limit:** Not Applicable
Flash Point & Test Method: Does not ignite. **Auto-Ignition Temperature:** Not Available
Conditions of Flammability: Not Flammable **Means of Extinction:** Treat for surrounding materials.
Sensitivity to Mechanical Impact: Not Available **Sensitivity to Static Discharge:** Not Available
Hazardous Combustion Products: Not Available
Unusual Fire & Explosion Hazard: At temperatures above 60°C/140°F acid action on most metals may release hydrogen, a highly flammable and explosive gas. Avoid breathing decomposition products.

SECTION V - Reactivity Data

Conditions of Chemical Instability: Stable up to 110°C/230°F **Special Shipping Information:** Not Applicable
Incompatible Substances: Oxidizing agents, strong alkaline material, aluminum.
Storage Requirements: Store in closed containers, away from incompatibles. **Conditions of Reactivity:** Not Applicable
Hazardous Decomposition Products: Thermal decomposition may yield oxides of carbon and nitrogen.
Hydrogen gas may be released upon contact with certain metals.

SECTION VI - Toxicological Properties

Routes of Entry: Eyes, Skin Contact, Inhalation, Ingestion. **Irritancy of Product:** Acute exposure is irritating.
Effects of Acute Exposure: Eye Contact - May cause moderate to high irritation.
Skin Contact - Non-corrosive to skin as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous Material Regulations, Canada's WHMIS Regulations and TDG Regulations. Classified as a mild skin irritant as per the 1992 OECD Guideline for Testing of Chemical, Number 404 "Acute Dermal Irritation/Corrosion".
Inhalation - If inhaled as a mist vapour it can cause nose, throat and respiratory tract irritation, coughing and headache.
Ingestion - May cause nausea, vomiting and medical problems.
Effects of Chronic Exposure: Skin - Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Carcinogenicity: Non-Hazardous by WHMIS Criteria. Not listed on NTP, IARC, ACGIH.
Mutagenicity: The active was found not to be mutagenic when tested by the Ames Assay (OECD Guideline for Testing of Chemicals Sec. 471).
Teratogenicity: Not Available **Reproductive Effects:** Not Available
Sensitization: Not Available **Synergistic Materials:** Not Available

SECTION VII - First Aid Measures

Eye Contact: Immediately flush with water for 15 minutes. If irritation persists, seek medical attention.
Skin Contact: Flush with water. Contact a physician if irritation develops.
Inhalation: Remove to fresh air. If symptoms persist, contact a physician.
Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one to four glasses of water. Contact a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

SECTION VIII - Protective Equipment

Personal Protective Equipment:
Eyes: Safety Glasses
Gloves: Impermeable
Respiration: Not normally required if good ventilation is maintained.
Ventilation: General ventilation normally adequate. **Special Measures:** Firefighters should wear self-contained breathing apparatus.

SECTION IX - Spill/Leak Procedures

Procedures for Leaks or Spills: Small spills may be absorbed with non-reactive absorbent and placed in suitable labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal: Review Federal, Provincial and local government requirements prior to disposal.

SECTION X - Preparation Information

Manufacturer/Supplier: Parkside Professional Products, 4777 Kent Avenue, Niagara Falls, Ontario L2H 1J5 **Telephone:** (905) 358-8364
Preparer: Parkside Professional Products, 4777 Kent Avenue, Niagara Falls, Ontario L2H 1J5 **Telephone:** (905) 358-8364

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.