

## **Vestec 320 – Automatic Dishwasher Detergent**

### **1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY**

Identification of Preparation:	Vestec 320
Date of Safety Data Sheet:	March 15, 2016.
Use of Preparation:	Auto Dish Powder.
Company Identification:	Parkside Professional Products Ltd. 4777 Kent Avenue Niagara Falls, Ontario L2H 1J5 OFFICE: 905-358-8364
Company Emergency Telephone Number	Emergency Phone: 905-358-8364
Transportation Emergency Telephone Number	CANUTEC 613-996-6666 or * 666 for cell phone

### **2. HAZARD IDENTIFICATION**

Emergency Overview:  
OSHA / WHMIS 2015 Hazards  
Classification of substance or mixture  
GHS-US/Canadian classification:  
GHS Hazards  
Skin Corrosive Category 1A H314  
Eye Damage Category 1 H318  
Label Elements  
GHS-US/ Canada Labeling  
Hazard Pictograms (GHS):



Signal Word (GHS): **Danger.**  
Hazard Statements (GHS):  
H290 – May be corrosive to metals.  
H302 - Harmful if swallowed  
H314- Causes severe skin burns and eye damage.



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**Precautionary Statements (GHS):**

P102: Keep out of reach of children.  
 P260: Do not breathe mist, spray, and vapours.  
 P280: Wear face protection, protective clothing, protective gloves, and eye protection.

**Response Statements (GHS):**

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.  
 P315: Get immediate medical advice/attention.  
 P501: Dispose of contents / container in accordance with local regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt	Classification
Sodium Carbonate	497-19-8	15-35	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion / Irritation Category 2A - H315 Serious Eye Damage / Eye Irritant Category 2 - H319
Sodium Dichloroisocyanurate, Dihydrate	51580-86-0	1-5	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion / Irritation Category 2A - H315 Serious Eye Damage / Eye Irritant Category 2 - H319
Sodium Metasilicate	6834-92-0	7-15	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion / Irritation Category 1 A - H314 Serious Eye Damage / Eye Irritant Category 1 - H318
Pentasodium Triphosphate	7758-29-4	7-15	Acute Toxicity Category 4 (Oral) - H302 Skin Corrosion / Irritation Category 1 A - H314 Serious Eye Damage / Eye Irritant Category 1 - H318 STOT Single Exposure Respiratory Category 3- H335

**4. FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. If symptoms persist consult physician.  
**Eye Contact:** Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists get medical



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	attention.
Skin Contact:	Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
Ingestion:	Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.
Notes to Physician:	Treatment based on judgment of attending physician.

### 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	As per surrounding fire.
Unsuitable extinguishing media:	No information available.
Special exposure hazards	Fire or excessive heat may produce hazardous decomposition products.
Special safety equipment:	Self-contained positive pressure breathing apparatus and protective clothing.
Fire and explosion	Not flammable. Not an explosive hazard.
Further information	Keep containers and surrounding cool with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe mist or dust.

#### For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

#### For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

#### Environmental Precautions

Prevent entry to sewers and public waters.

#### Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately by sweeping up and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of mist.

#### Information about fire - and explosion protection:

Keep respiratory protective device available.

No special measures required.



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Conditions for safe storage, including any incompatibilities

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store in a cool location.

**Information about storage in one common storage facility:**

Do not store together with acid products.

Store away from reducing agents.

Store away from foodstuffs.

**Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well-ventilated area.

Keep container tightly sealed.

**Specific end use(s)** No further relevant information available.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respiratory protection:**

Use local exhaust or dilution ventilation.

**Hand protection:**

Chemical resistant gloves.

**Eye protection:**

Safety goggles.

**Skin protection:**

Use body-covering clothing.

**Working hygiene:**

Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

**Exposure Guidelines:**

Source Material	TWA ppm	TWA mg/m <sup>3</sup>	STEL ppm	STEL mg/m <sup>3</sup>
Sodium Carbonate		15 mg/m <sup>3</sup> 8 hr (dust)		
Sodium Metasilicate		10 mg/m <sup>3</sup> 8 hr		
Pentasodium Triphosphate		5 mg/m <sup>3</sup> 8 hr		

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical and Chemical Properties

**Physical State**

Powder

**Appearance**

Free Flowing.

**Colour**

White.

**Property**

Values

**Odour**

Lemon.

**Odour Threshold**

No data available.

Remarks/Method

**pH 1 %**

11.5 ± 0.5

None known

**Melting/Freezing Point**

No data available

None known

**Boiling Point/Range**

No data available

None known

**Flash Point**

Not applicable.

None known

**Evaporation Rate**

No data available

None known

**Flammability (solid, gas)**

Not flammable

None known

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**Flammability Limit in Air:**

Upper Limit	No data available	None known
Lower Limit	No data available	None known
Vapour Pressure	No data available	None known
Vapour density	No data available	None known
Specific Gravity	0.90-0.95 g/cm <sup>3</sup>	
Water Solubility	Soluble in water.	None known
Solubility Other Solvents	No data available	None known
Partition Coefficient:		
n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition Temperature	No data available	None known
Kinematic Viscosity	No data available	None known
Dynamic Viscosity	No data available	None known
Explosive Properties	No data available	None known
Oxidizing Properties	No data available	None known

**Other Properties:**

Softening Point	No data available
VOC Content %	No data available
Particle Size	No data available
Particle Size Distribution	No data available

**10. STABILITY AND REACTIVITY**

Reactivity	Stable at normal ambient temperature and pressure.
Chemical stability	No decomposition if stored and applied as directed.
Thermal decomposition/conditions to avoid:	Stable under normal conditions.
Possibility of hazardous reactions	Reacts with acids. Reacts with reducing and oxidizing agents.
Conditions to avoid	Store away from reducing agents, water, acids, and acid salts of heavy metals, organic materials and flammable substances.
Hazardous decomposition products	Acids, oxidizing and reducing agents.
Materials to avoid	Oxides of carbon.
Hazardous polymerization	Will not occur

**11. TOXICOLOGICAL INFORMATION**

Information on toxicological effects  
 Acute toxicity:  
 LD/LC50 values relevant for classification  
 Routes of Entry Inhalation, ingestion, eye or skin



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**Sodium Carbonate CAS # 497-19-8:**

LD 50 (Oral) Rat 4,090 mg/Kg

LC 50 (Inhalation) 2300 mg/m<sup>3</sup> (Rat) 2 Hrs.

**Sodium Dichloroisocyanurate, Dihydrate CAS #51580-86-0:**

LD 50 (Oral) Rat 735 mg/Kg

LC 50 (Inhalation) 60 mg/m<sup>3</sup> (Rat) 4 Hrs.

Dermal LD 50 2100 mg/kg (Rat)

**Sodium Metasilicate CAS # 6834-92-0:**

LD 50 (Oral) Rat 1,280 mg/Kg

**Pentasodium Tripolyphosphate CAS # 7758-29-4:**

LD 50 (Oral) Rat 2,000 mg/Kg

**Carcinogenicity:**

<b>Chemical Name</b>	<b>ACGIH</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
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Not classified.

**IARC: (International Agency for Research on Cancer)**

No ingredients listed

**Chronic Effects:**

**Mutagenicity:** No evidence of a mutagenic effect.

**Teratogenicity:** No evidence of a teratogenic effect (birth defect).

**Sensitization:** No evidence of a sensitization effect.

**Reproductive:** No evidence of negative reproductive effects.

**Target Organ Effects:**

**Acute:** No information available

### 12. ECOLOGICAL INFORMATION

**Toxicity:** Not classified

**Persistence and Degradability:** Not available

**Bioaccumulative Potential:** Not available

**Mobility in Soil:** Not available.

**Other Adverse Effects**

**Other Information:** Avoid release to the environment.

### 13. DISPOSAL

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Ecology – Waste Materials:** Avoid release to the environment.

### 14. TRANSPORTATION INFORMATION

**U.S. Department of Transportation (DOT):** Not Regulated

**Canadian TDG (Road & Rail):** Not Regulated

**Water Transportation (IMO):** Not Regulated

**Air Transportation (IATA):** Not Regulated

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### **15. REGULATION**

**Occupational Health & Safety Regulations:**

**WHMIS Classification:** Class D - Division 2B Class E.



**OSHA & WHMIS:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

#### **International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	-
PICCS	-
AICS	Complies

#### **Legend:**

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

RQ (reportable quantity, section 304 of EPA's list) Pentasodium Phosphate 5,000 lbs.

#### **U.S. State Regulations**

##### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

##### **HMIS III Rating:**

Health: 3



## SAFETY DATA SHEET

### Vestec 320 – Automatic Dishwasher Detergent

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

SDS US (GHS HazCom 2012) SDS Canada (GHS WHMIS 2015)

#### 16. OTHER INFORMATION

**Prepared By:** Parkside Professional Products Ltd.  
4777 Kent Avenue  
Niagara Falls, Ontario  
L2H 1J5  
905-358-8364

**Issuing Date:** March 15, 2016.

**Disclaimer:**

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**End of Safety Data Sheet**