

## Homesolv Automatic Dishwasher Paccs

### SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE(S).....	DPVFC188	Prepared:	6/29/2018
Product Identity.....	Homesolv Automatic Dishwasher Pods	Supersedes:	7/1/2015
Manufacturer.....	Citra Solv LLC. 188 Shadow Lake Road Ridgefield, CT. 06877 (203) 778-0881		
Information telephone number.....	IN CASE OF EMERGENCY DURING TRANSPORT CALL Chemtel (800) 255-3924		
Recommended Use.....	Machine Dishwashing. For industrial use only, keep out of reach of children. Do not mix with other cleaning products.		
Hazard Ratings			
NFPA Rating.....	Health: 2 Fire: 1 Reactivity: 0.		
HMIS.....	H: 2 F: 1 R: 0.		

### SECTION 02: HAZARDS IDENTIFICATION



Signal Word.....	DANGER.
Hazard Classification.....	SKIN IRRIT 2. EYE IRRIT 2. RESP SENS 1. CORROSIVE TO METALS 1. Household Setting: Under normal consumer use, Korex automatic dishwash paccs would not constitute a hazardous product by OSHA definition as OSHA is not applicable to household consumer use. . Non Household Setting (federal): The contents of this pouch product, when tested as a whole, is considered an irritant within the meaning of the OSHA Hazard Communication Standard.
Description of Hazards.....	H315 Causes skin irritation. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H290 May be corrosive to metals.
Precautionary Statements.....	P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves and eye protection. P261 Avoid breathing vapor, mist or spray. P284 In case of inadequate ventilation wear respiratory protection. P234 Keep only in original packaging.
Response.....	P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical attention. P362+P364 Take off contaminated clothing and wash before reuse. P321 - Consult with a doctor or poison control centre if skin is itchy or a skin rash develops or you feel unwell. P342 + P311 If experiencing respiratory symptoms; call poison center or doctor. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical attention. P337+P313 If eye irritation persists, get medical advice/attention. P304+P340 IF INHALED: Remove to fresh air and Keep comfortable for breathing. P390 Absorb spillage to prevent material damage.
Storage.....	P406 Store in a corrosion resistant container with a resistant inner liner.
Disposal.....	P501 Dispose of contents and empty containers in accordance with local regulations.

### SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT %
Sodium Carbonate	497-19-8	40-50
Disodium Carbonate (compound with hydrogen peroxide 2:3)	15630-89-4	20-30
Alcohol Alkoxyate	68439-51-0	1 - 10
Enzymes (subtilisin)	9014-01-1	<1
Sodium Silicate	1344-09-8	<1

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**SECTION 04: FIRST AID MEASURES**

Eye Contact.....	Check for and remove contact lenses. Immediately flush with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.
Ingestion.....	Give several glasses of water or milk, get medical attention immediately. Do not induce vomiting.
Inhalation.....	If inhaled remove to fresh air. If not breathing give artificial respiration and obtain immediate medical assistance.
Skin Contact.....	Wash thoroughly with soap and water. Remove contaminated clothing. Launder clothing before reuse. If irritation occurs consult with your doctor.
Additional Information.....	In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.

**SECTION 05: FIRE FIGHTING MEASURES**

Extinguishing Media.....	Water spray, Carbon dioxide (CO <sub>2</sub> ), Foam, Dry chemical.
Hazardous Combustion Products.....	Oxides of carbon.
Special Fire Fighting Procedures.....	Self-contained breathing apparatus recommended.
Unusual Fire/Explosion Hazards.....	None expected.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal Precautions.....	For small quantities wear gloves, wipe up with damp cloth, rinse cloth thoroughly and allow cloth to dry before laundering.
Emergency Procedures.....	Avoid skin and eye contact. Contain the spill. Absorb spilled material. Shovel or pump to properly identified waste containers. Dispose of spilled material in accordance with local regulations.
Methods and Materials used for Containment	Use an inert substance to contain and absorb spilled material. Shovel to properly identified salvage drum. Seal salvage drum for disposal.
Clean Up.....	Flush area with water and dry to avoid slippery conditions.

**SECTION 07: HANDLING AND STORAGE**

Handling Precautions.....	Keep away from food. Employees should wash their hands and face before eating or drinking.
Storage Requirements.....	Keep containers tightly closed.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL	NIOSH
Sodium Carbonate	Not established	Not established	Not established	Not established	Not established	Not established
Disodium Carbonate (compound with hydrogen peroxide 2:3)	Not established	Not established	Not established	Not established	Not established	Not established
Alcohol Alkoxylate	Not Established	Not Established	Not Established	Not Established	Not Established	Not Established
Enzymes (subtilisin)	Not established	Not established	Not established	Not established	Not established	Not established
Sodium Silicate	Not established	Not established	Not established	Not established	Not established	Not established
Clothing/Type .....	Wear adequate protective clothing to prevent skin contact.					
Eye/Type.....	Safety goggles. If pouches are broken.					
Footwear/Type.....	Wear safety boots per local regulations.					
Gloves/Type.....	Wear impervious gloves. If pouches are broken.					
Other/Type.....	Anyone handling this product should wash their hands and face before eating, drinking or using tobacco products. Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace. Emergency eye wash station and shower should be available.					
Respiratory/Type.....	Not required for intended use. If pouches are broken and powder is released to the air, use a dust mask for cleanup.					
Engineering Controls.....	Normal ventilation is adequate					

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Physical Appearance.....	Powder packets.
Colour.....	No data.
Odour.....	No data.
Odour Threshold (ppm).....	No data.
Vapour Density (Air=1).....	No data.
Vapour Pressure (mm Hg).....	No data.
pH.....	10.5 - 11.5.

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## SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Relative Density/Specific Gravity.....	1.05 +/- 0.1.
Melting/Freezing Point.....	No data.
Solubility.....	Complete in water.
Initial Boiling Point/Boiling Range.....	No data.
Evaporation Rate.....	No data.
Flash Point (deg C), Method.....	No data.
Auto Ignition Temperature (deg C).....	No data.
Upper Flammable Limit (% Vol).....	None.
Lower Flammable Limit (% Vol).....	None.
Decomposition temperature.....	No data.
Coefficient of Water/Oil Distribution.....	No data.
Viscosity.....	No data.

## SECTION 10: STABILITY AND REACTIVITY

Reactivity Conditions.....	None known.
Stability.....	Stable at normal temperatures and pressures.
Hazardous Polymerization.....	Will not occur.
Hazardous Products of Decomposition.....	None expected.
Incompatibility.....	Acids.

## SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Sodium Carbonate	No Data	2,800 mg/kg rat oral
Disodium Carbonate (compound with hydrogen peroxide 2:3)	>4.58 mg/L/hr rat inhalation	1000 mg/kg oral rat
Alcohol Alkoxyate	No Data	>2,000 mg/kg (oral, rat)
Enzymes (subtilisin)		3700 mg/kg oral rat
Sodium Silicate	No data	1100-1600 mg/kg oral rat 1100 mg/kg oral mouse
Route of Exposure.....	Skin contact, eye contact, inhalation.	
Effects of Acute Exposure.....	If the pouch breaks, airborne dust may cause slight respiratory irritation if inhaled, and, direct contact with contents may cause moderate eye and mild skin irritation.	
Effects of Chronic Exposure.....	No long term effects have been reported.	
Carcinogenicity of Material.....	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA OR ACGIH as a carcinogen.	
Reproductive Effects.....	No data.	

## SECTION 12: ECOLOGICAL INFORMATION

Environmental Bioaccumulation Potential.....	During sewage treatment there is microbial degradation to carbon dioxide and also absorption to the particulate sludge. The absorbed portion is subsequently biodegraded when the sludge is disposed of. .
Other Adverse Effects.....	Under normal and foreseeable uses, there are no concerns for aquatic organisms exposed to product ingredients at the anticipated environmental concentrations.
Absorption Potential.....	No data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods.....	Dispose of empty containers in accordance with local regulations or current recycling programs.
Physical and Chemical Properties that may affect Disposal	None anticipated.
Sewage Disposal Comments.....	None.
Other Special Cautions.....	None required .

## SECTION 14: TRANSPORT INFORMATION

Transport Hazard Classification.....	Not Regulated.
Guidance on Air shipments.....	Not applicable.
Guidance for marine shipments.....	Not applicable.
Proof of Classification.....	This product has been classified in accordance with Part 2 of the Transportation of Dangerous Goods regulations. This product has been classified to the Department of Transportation 49CFR.

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**SECTION 15: REGULATORY INFORMATION**

CEPA Status.....	All components of this product are listed on the Domestic Substance List (DSL) .
TSCA Inventory Status.....	All components are listed on TSCA .
EINECS .....	All ingredients have been registered under REACH.
OSHA SARA Title III	
Section 311/312 - Hazard Categories.....	Reactivity Hazard, Acute Health Hazard.
Section 302 - Extremely Hazardous .....	None .
Substances	
SARA Section 313.....	None.
EPA Hazardous Air Pollutants (HAPS) .....	None .
40CFR63	
California Proposition 65.....	This product does not contain any chemical(s) known to the state of California to cause cancer or reproductivity toxicity.

**SECTION 16: OTHER INFORMATION**

Prepared by .....	HDTs Chemicals Inc. - <a href="http://www.hdtschemicals.com">www.hdtschemicals.com</a> - email: <a href="mailto:service@hdtschemicals.com">service@hdtschemicals.com</a> .
Disclaimer.....	The information contained herein is based on information believed to be reliable. The Citra Solv LLC. makes no warranties, express or implied, and assumes no liability with any use of this information.
Note.....	Various sources were reviewed to determine the classification of this product. These sources include the National Library of Medicine - Hazardous Substances Data Bank; the European Chemical Agency Classification & Labelling Database; supplier safety data sheets; and REPTOX (Gouvernement du Québec) .
Preparation Date.....	6/29/2018