

Korex Canada
78 Titan Road
Etobicoke, Ontario
M8Z 2J8 Canada
416-231-7800

PRODUCT: KOREX AUTOMATIC DISH DETERGENT POWDER

CODE: KOREXADDP

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier Identifier..... Korex Corporation
50000 W. Pontiac Trail
P.O. Box 930339
Wixom, MI
US
48393-0339
1-248-624-0000

Product Identifier..... KOREX AUTOMATIC DISH DETERGENT POWDER

Other means of Identification..... KOREXADDP

Recommended Use..... Detergents. For industrial use only, keep out of reach of children. Do not mix with other cleaning products.

Emergency telephone number..... IN CASE OF EMERGENCY DURING TRANSPORT CALL 724 815-1667 or 800-424-9300
Chemtrec.

NFPA Rating..... Health: 2 Fire: 1 Reactivity: 0.

HMIS..... H: 2 F: 1 R: 0.

SECTION 02: HAZARDS IDENTIFICATION



Signal Word..... WARNING.

Hazard Classification..... SKIN IRRIT 2. EYE IRRIT 2. STOT SE 3. ACUTE TOX 4.

Hazard Statements..... H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

Prevention..... P264 Wash thoroughly after handling. P280 Wear protective gloves and eye protection. P261 Avoid breathing dust, vapor, mist or spray. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well ventilated area.

Response..... P302+P352 IF ON SKIN: Wash with plenty of water. P362+P364 Take off contaminated clothing and wash before reuse. P332+P313 If skin irritation occurs: Get medical attention. 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 advice/attention. P304+P340 IF INHALED: Remove to fresh air and Keep comfortable for breathing. P301 + P312 IF SWALLOWED: Call a POISON CONTROL CENTER if you feel unwell. . P330 Rinse mouth.

Storage..... P403+P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal..... P501 Dispose of contents and empty containers in accordance with local regulations.

Other hazards..... Contains a component that is hazardous to the aquatic environment. H410 Very toxic to aquatic life with long lasting effects.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Sodium Carbonate	497-19-8	5-50
Sodium Silicate	1344-09-8	1-10
Sodium dichloroisocyanurate dihydrate	51580-86-0	<2

SECTION 04: FIRST AID MEASURES

Routes of exposure

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..... DO NOT INDUCE VOMITING. Rinse mouth with water, then drink one glass of water. Seek medical attention. Do not give anything to victim if unconscious or convulsing.

Inhalation..... If inhaled remove to fresh air. If not breathing give artificial respiration and obtain immediate medical assistance.

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SECTION 04: FIRST AID MEASURES

Skin Contact..... Wash thoroughly with soap and water. Remove contaminated clothing. Launder clothing before reuse. If irritation occurs consult with your doctor.

Medical attention and special treatment 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 Extinguish using agent suitable for surrounding fire. Water spray, Carbon dioxide (CO₂), Foam, Dry chemical.

Hazardous Combustion Products No specific data. 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.

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.

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.

SECTION 07: HANDLING AND STORAGE

Handling Precautions KEEP OUT OF REACH OF CHILDREN. Store in a closed container, in a dry place and away from acids. 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	ACGIH TLV		OSHA PEL		REL	NIOSH
	TWA	STEL	PEL	STEL		
Sodium Carbonate	10 mg/m ³	Not established	10 mg/m ³ TWA	Not established		Not established
Sodium Silicate	Not established	Not established	Not established	Not established		Not established
Sodium dichloroisocyanurate dihydrate	Not established		0.5 ppm as chlorine			Not established
Clothing/Type	Wear adequate protective clothing to prevent skin contact.					
Eye/Type.....	Safety goggles.					
Footwear/Type.....	Wear safety boots per local regulations.					
Gloves/Type.....	Wear impervious gloves.					
Respiratory/Type.....	Not required for intended use. Wear a dust mask in confined spaces or when dust is present.					
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.					
Engineering Controls.....	Normal ventilation is adequate . Avoid generating dust. Provide adequate ventilation to prevent the inhalation of dust.					

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance..... White. Powder.

Odour..... Not available.

Odour Threshold (ppm)..... Not available.

Vapour Density (Air=1)..... Not available.

Vapour Pressure (mm Hg)..... Not available.

pH..... 10-11. 1% SOLUTION.

Relative Density/Specific Gravity..... 0.9 - 1.0.

Melting/Freezing Point..... Not available.

Solubility..... Complete in water.

Initial Boiling Point/Boiling Range..... Not available.

Evaporation Rate..... Not available.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Flash Point (deg C), Method..... Not Available.
 Auto Ignition Temperature (deg C)..... Not available.
 Upper Flammable Limit (% Vol)..... None.
 Lower Flammable Limit (% Vol)..... None.
 Decomposition temperature..... Not available.
 Coefficient of Water/Oil Distribution..... Not available.
 Viscosity..... Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity..... None known.
 Chemical stability..... Stable at normal temperatures and pressures.
 Hazardous Polymerization..... Will not occur.
 Incompatible materials..... Reacts with: Acids. to release: Heat. Carbon dioxide. Chlorine.
 Hazardous Products of Decomposition..... None expected.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Sodium Carbonate	Not Available	2,800 mg/kg rat oral
Sodium Silicate	No data	1100-1600 mg/kg oral rat 1100 mg/kg oral mouse
Sodium dichloroisocyanurate dihydrate	<1637.5 mg/m3 (4 hr., rat)	1823 mg/kg (oral, rat)
Route of Exposure.....	Skin contact, eye contact, inhalation.	
Effects of Acute Exposure.....	Causes skin, eye and respiratory irritation . Harmful if swallowed.	
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.....	None of the ingredients in this product meet the classification criteria for Reproductive Toxicity or Mutagenicity. (Ames Assay).	
Aggravated Medical Conditions.....	None expected.	

SECTION 12: ECOLOGICAL INFORMATION

Data from Toxicity Tests..... Sodium Carbonate: Mosquito Fish: 1200 mg/L for 24 hr .
 Persistence and degradability..... During sewage treatment there is microbial degradation to carbon.
 Bioaccumulation Potential..... No data available.
 Absorption Potential..... No data available.
 Other Adverse Effects..... 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.

SECTION 14: TRANSPORT INFORMATION

UN Number..... Not Regulated .
 UN Proper Name..... Not Regulated.
 Transport Hazard Classification..... Not Regulated.
 Packaging Group (if applicable)..... Not Regulated.
 Limited Quantity..... Not applicable.
 Guidance on Air shipments..... Not applicable.
 Proof of Classification..... This product has been classified in accordance with DOT and Canada's Part 2 of the Transportation of Dangerous Goods regulations.

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 the TSCA or exempt.
 SARA Title III
 Section 302 - Extremely Hazardous Substances..... None .
 Section 311/312 - Hazard Categories..... Immediate Health.

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SECTION 15: REGULATORY INFORMATION

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.
 OSHA..... SDS prepared according to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200.

SECTION 16: OTHER INFORMATION

Prepared by Trivalent Data Systems Ltd. <http://www.trivalent.com> .
 Disclaimer..... The information contained herein is based on information believed to be reliable. The Korex Corporation makes no warranties, express or implied, and assumes no liability with any use of this information.
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