

PRODUCT: Korex Rinse Agent

CODE: RINSEAGENT5

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

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier Identifier.....Korex Canada
.....78 Titan Road
.....Etobicoke, Ontario
.....M8Z 2J8 Canada
.....416-231-7800
Product Identifier.....Korex Rinse Agent
Other means of Identification.....RINSEAGENT5
Recommended Use.....Machine Dishwashing.
Chemical Family.....Mixture.
Emergency telephone number.....In the United States: CHEMTREC (800) 424-9300.
.....In Canada: Korex Technical Services Group; 416-231-7800.
Product Purpose.....Rinse aids

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL occupational safety and health administration.

This SDS is not applicable for consumer use of our products. For consumer use all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations.

SECTION 02: HAZARDS IDENTIFICATION

Signal Word.....WARNING.

Hazard Classification.....EYE DAM 1. SKIN IRRIT 2. ACUTE TOX 4.

Hazard Statements.....Harmful if swallowed. Causes skin irritation.
.....Causes serious eye damage.

Prevention.....Avoid eye contact. Wash thoroughly after handling.
.....Do not eat, drink or smoke when using this product.
.....Wear protective gloves and eye protection.

Response.....IF SWALLOWED: Call a POISON CONTROL CENTER if you feel unwell.
.....Rinse mouth.
.....IF ON SKIN: Wash with plenty of water. Specific treatment see section 4 on this SDS.
.....If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.
.....IF IN EYES: Rinse cautiously with water for several minutes.
.....Remove contact lenses, if present and easy to do.
.....Continue rinsing. Immediately call a Poison Control Centre.

Storage.....Not applicable.

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

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Other hazards.....Contains a component that is hazardous to the aquatic environment (short term).
Note....."Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

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SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS#	WT. %
PEG/PPG Propylheptyl Ether	166736-08-9	5-20
Polyalkylene glycol	9003-11-6	1-10
Dodecyl benzene sulfonic acid triethanolamine salt	27323-41-7	<2

SECTION 04: FIRST AID MEASURES

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.
Eye Contact.....	Immediately flush eyes with water for 15 minutes, keeping eyelids open during flushing. If irritation persists, repeat flushing and obtain medical attention immediately.
Ingestion.....	Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of milk or water. Seek medical attention. Never give anything by mouth to an unconscious person.
Symptoms and effects.....	Treat victims symptomatically. See sections 2 and 11.
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.
Hazardous Combustion Products.....	Oxides of carbon.
Unusual Fire/Explosion Hazards.....	None expected.
Special Fire Fighting Procedures.....	Self-contained breathing apparatus recommended.

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.
Methods and Materials used for Containment.....	Dispose of spilled material in accordance with local regulations. Use an inert substance to contain and absorb spilled material. Shovel to properly identified salvage drum. Seal salvage drum for disposal.
Clean Up.....	For large spills provide diking to prevent spreading. Flush area with water and dry to avoid slippery conditions. Dike spills to prevent spreading.

SECTION 07: HANDLING AND STORAGE

Handling Precautions.....	Avoid direct contact. Do not eat or drink while working with this product, wash thoroughly after handling.
Storage Requirements.....	Keep out of reach of children. Keep containers tightly closed.

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
PEG/PPG Propylheptyl Ether	Not established		Not established		Not established
Polyalkylene glycol	Not established		Not established		Not established
Dodecyl benzene sulfonic acid triethanolamine salt	Not established		Not established		Not established
Engineering Controls.....	Normal ventilation is adequate				
Protective Equipment Clothing/Type.....	Wear adequate protective clothing to prevent skin contact.				
Eye/Type.....	Safety goggles.				
Footwear/Type.....	Wear safety boots per local regulations. Not required.				
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. Emergency eye wash station and shower should be available.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance.....	Liquid. Clear, blue.
Odour.....	Not available.
Odour Threshold (ppm).....	Not available.
pH.....	2.5 - 3.8. (UNDILUTED).
Melting/Freezing Point.....	Not available.
Initial Boiling Point/Boiling Range.....	> 100C / 212F.
Flash Point (deg C), Method.....	Not applicable.
Evaporation Rate.....	Not available.
Flammability (solid/gas).....	Not applicable.
Upper Flammable Limit (% Vol).....	None.
Lower Flammable Limit (% Vol).....	None.
Vapour Pressure (mm Hg).....	Not available.
Vapour Density (Air=1).....	Not available.
Relative Density/Specific Gravity.....	1.01 - 1.026.
Solubility.....	Complete in water.
Coefficient of Water/Oil Distribution.....	Not available.
Auto Ignition Temperature (deg C).....	Not available.
Decomposition temperature.....	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.
Conditions to avoid.....	Not applicable.
Incompatible materials.....	Acids.
Hazardous Products of Decomposition.....	Carbon oxides.

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SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
PEG/PPG Propylheptyl Ether	Not available.	> 500 mg/kg (oral, rat)
Polyalkylene glycol	Not available.	5500 mg/kg (Rat oral)
Dodecyl benzene sulfonic acid triethanolamine salt	Not available.	> 10,800 mg/kg (oral, rat)
Route of Exposure	Skin contact, eye contact, and inhalation.	
Symptoms	Causes skin and eye irritation.	
Effects of Acute Exposure	Causes serious eye irritation. Prolonged or repeated contact skin contact may cause slight irritation. Contact may cause nose, throat and respiratory tract irritation. Contact may cause irritation to the mouth, esophagus and stomach. May cause gastric tract upset.	
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.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	ALL INGREDIENTS ARE US EPA DESIGN FOR ENVIRONMENT APPROVED. Under normal and foreseeable uses, there are no concerns for aquatic organisms exposed to product ingredients at the anticipated environmental concentrations.
Persistence and degradability	Surfactants are readily biodegradable (>60%, 28 days). OECD 301B. During sewage treatment there is microbial degradation to carbon.
Bioaccumulation Potential	No data available.
Mobility in soil	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 & Chemical Properties that may affect Disposal	None anticipated.

SECTION 14: TRANSPORT INFORMATION

TDG Classification	Not Regulated.
DOT Classification	Not Regulated.
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

TSCA Inventory Status	All components are listed on the TSCA or exempt.
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.
Disclaimer	Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages, which may result from the use or reliance on any information contained in this form.
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