MATERIAL SAFETY DATA SHEET

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■ SECTION 01 IDENTIFICATION

MSDS NO. 14L0 Series REVISED: August 2011

TRADE NAME: **CorrectPac® Glass Cleaner No. CP1432L**

NOTE: CAS Registry numbers are not applicable to formulated products.

■ SECTION 02 PHYSICAL & HEALTH HAZARDOUS INGREDIENTS

Hazardous Material as defined by 29 CFR 1910.1200 Reportable under CERCLA or SARA TITLE III Sec. 304 Regulations.

Common Names:	isopropanol, IPA, 2-propanol	CAS# 67-63-0
Chemical Name:	isopropyl alcohol	
Hazard % in Formula:	in concentrate: 11.3 % in working/use solution: 0.7%	
Hazard Reference:	TLV:TWA 400ppm (980 mg m^3) NIOSH 400 ppm 10hrTWA IDLH 20.000ppm	

Common Names:	formic acid	CAS# 64-18-6
Chemical Name:	methanoic acid, hydrogencarboxylic acid	
Hazard % in Formula:	in concentrate: 0.11% in working/use solution: 0.007 %	
Hazard Reference:	TLV:TWA 5 ppm (9 mg m^3) NIOSH IDLH 30 ppm	

■ SECTION 02A OTHER INGREDIENTS NOT CONSIDERED HAZARDOUS IN FORMULATION

water	CAS# 7732-18-5
diethylene glycol ethyl ether	CAS# 111-90-0
alkyl d-glucopyranoside	CAS# 110615-47-9
trace colorant	n.a.
trace fragrance	n.a.

■ SECTION 03 PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	180 deg. F. (initial)
Vapor Pressure:	31 mm Hg
Vapor Density (air=1):	Not determined.
Water Solubility:	Complete.
Melting/Freezing Point:	< 0 deg. F.
Appearance:	Clear blue liquid.
Specific Grav. (water=1):	0.994
Evaporation Rate:	Much slower than 1 (n-butyl acetate = 1)
pH:	in concentrate: 3.7 ± .3 in working/use solution: 5.7 ± .3
Odor:	Floral with slight alcoholic odor.

■ SECTION 04 PHYSICAL HAZARD DATA

Flash Point:	Does not support combustion (ASTM D 4206)
Flammable Limits:	Not determined.
Fire Fighting Media:	Water spray, CO_2, dry chemical. Treat primary cause of fire.
Special Fire Fighting Procedures:	None.
Fire/Explosion Hazards:	Contains small quantities of flammable liquid, however, small bag size limits any hazard exposure.

■ SECTION 05 REACTIVITY DATA

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None known.
Incompatible Materials:	Strong oxidizing or reducing agents.
Hazardous Decomposition Products:	CO and CO_2 on thermal decomposition.

■ SECTION 06 HEALTH HAZARD DATA

Oral Toxicity:	Not determined for formulation.
Skin Toxicity:	None known.
Carcinogenicity:	None of the individual materials in this formulation are listed as carcinogens in NTP, IARC, Monographs, or are OSHA Regulated carcinogens.

■ SECTION 07 SYMPTOMS OF OVEREXPOSURE

Symptoms of Ingestion:	Ingestion of concentrate may cause nausea, vomiting and abdominal pain.
Symptoms of Inhalation:	If misted in concentrated form, can cause irritation of respiratory tract.
Symptoms of Skin Contact:	Prolonged and repeated contact with concentrate can cause dryness, irritation and skin defatting. Considered a mild irritant.
Symptoms of Eye Contact:	Concentrate will cause stinging or burning of eyes and lids, watering of eye.

■ SECTION 08 EMERGENCY FIRST AID PROCEDURES

For Ingestion:	DO NOT induce vomiting. Have the individual drink one or more full glasses of milk or water. If vomiting occurs, give fluids again. NEVER give anything to an unconscious person. Call a physician or your local Poison Control Center. Treatment should be directed at the control of symptoms and the clinical condition of the patient. There is no specific antidote.
For Skin:	As for all foreign materials, wash off concentrate or diluted use solution with copious amounts of water. Remove clothing that has been saturated by concentrate. Thoroughly wash affected clothing and shoes.
For Eyes:	PROMPTLY flush with large amounts of water for at least 15 minutes, occasionally lifting the lower and upper lids. See a physician if irritation persists.
Medical Conditions Aggravated by Exposure:	No data found.

■ SECTION 09 OCCUPATIONAL CONTROL PROCEDURES

Ventilation:	Use with adequate ventilation. Working solution should not present any general hazard.
Respiratory Protection:	Not required under normal working/use conditions.
Eye Protection:	Not normally required. Use if in specific applications splashes or mists will get into eyes.
Skin Protection:	Use gloves if hands will be continuously in solution. Not normally necessary in general use.
Personal Hygiene:	As in handling any detergent, wash thoroughly after using.

■ SECTION 10 PRECAUTIONS FOR SAFE HANDLING STORAGE AND USE

Precautionary Measures:	Avoid contact with eyes and prolonged contact of concentrate with skin. Do not store at elevated temperatures (above 140 deg. F).
Spills Clean-up Procedures:	Concentrated materials are packed in very small bags limiting any spills to small quantities. Paper toweling or mopping is usually sufficient.
Disposal Method:	Normal waste disposal of empty bags in accordance with state and local regulations or recycle after rinsing package.

■ HAZARD RATINGS

	NFPA Concentrate	NFPA Dilution
Health	1	0
Flammability	1	0
Reactivity	0	0

■ GENERAL NOTE ABOUT PRODUCTS

CorrectPac® Glass Cleaner formulation is not substantially different from any other commercially available glass cleaner or for that matter any household glass cleaner available in grocery stores. The unique packaging of these materials in unit dosed bags limits the amount of exposure of the concentrate to very small amounts. Spills can be cleaned up with paper toweling or plain mopping. We know of no hazards associated with the proper use and handling of this product.

PortionPac Chemical Corporation makes no warranty, expressed or implied, as to the accuracy, completeness or reliability of this information, except that such information is, to the best of our knowledge and belief, accurate as of the date indicated.

PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

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