MATERIAL SAFETY DATA SHEET

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■ SECTION 01 IDENTIFICATION

MSDS No. 0300 REVISED: April 2012

TRADE NAME: **CorrectPac® Degreaser No. CP304**

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:	ethanolamine, MEA, monoethanolamine		CAS# 141-43-5
Chemical Names:	monoethanolamine, 2-aminoethanol		
Hazard % in formula:	in concentrate: 48.0%	in mopping solution: 0.48%	in spray solution: 7.9%
Hazard Reference:	3 ppm ACGIH 85/86 Ref. (1) Sec. IX LD_{50} rats 10.2g/Kg J.IND.HYG.TOXICOL 23, 259 (1941)		

Common Name:	DPM		CAS# 34590-94-8
Chemical Name:	dipropylene glycol monomethyl ether		
Hazard % in formula:	in concentrate: 16.0%	in mopping solution: 0.16%	in spray solution: 2.6%
Hazard reference:	100 ppm OSHA PEL		

■ SECTION 02A OTHER INGREDIENTS NOT CONSIDERED HAZARDOUS IN FORMULATION

blend of linear alcohol ethoxylates	CAS# 68439-46-3 & 68002-97-1
vegetable oil alkanolamide	CAS# 68603-42-9
propylene glycol monomethyl ether	CAS# 107-98-2
triethanolamine	CAS# 102-71-6
trace colorant	n.a.

■ SECTION 03 PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	> 212 deg. F. (initial)
Vapor pressure:	Not determined.
Vapor density (Air=1):	Not determined.
Water solubility:	Complete.
Melting/Freezing point:	Much less than 0.0 deg. F.
Appearance:	Orange liquid. Slightly more viscous than water.
Specific Grav. (water=1):	1.005 ± .002
Evaporation rate:	much slower than 1 (n-butyl acetate = 1)
pH:	in concentrate: 11.0 ± .2 in working/use solution: 10.3 ± .3
Odor:	Fresh vegetable soap odor in dilution.

■ SECTION 04 PHYSICAL HAZARD DATA

Flash point:	> 212 deg F. Closed cup.
Flammable limits:	Not determined.
Fire fighting media:	Water spray, CO_2, alcohol foam, dry chemical. Treat primary cause of fire.
Special fire fighting procedures:	If quantities of material are stored near fire, self-contained breathing device should be used.
Fire/Explosion Hazards:	Contains class IIIA combustible liquid. Do not heat above 140° for extended period of time.

■ SECTION 05 REACTIVITY DATA

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Long exposure to materials containing copper, aluminum and strong oxidizing agents may cause discoloration.
Incompatible Materials:	Strong oxidizing or reducing agents.
Hazardous Decomposition products:	If heated to decomposition, CO, CO_2, NO_x and ammonia may be produced.

■ SECTION 06 HEALTH HAZARD DATA

Oral Toxicity:	Not determined for formulation.
Skin Toxicity:	Not known for formulation; Rabbit Skin LD_{50} 1.0g/Kg for MEA in formulation.
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, incoordination, diarrhea and general weakness. Ingestion of significant quantities may cause red blood cell hemolysis and possible liver and kidney injury.
Symptoms of Inhalation:	If misted in concentrated form can cause irritation of mucous membrane, nose, eye and throat.
Symptoms of Skin Contact:	May cause dermatitis or irritation in some individuals upon prolonged contact. Localized skin defatting can be expected from any detergent on prolonged contact. Prolonged contact may even cause severe skin irritation or mild burn.
Symptoms of Eye Contact:	Causes painful stinging or burning of eyes and lids, watering of eye, conjunctivitis, and in concentrated, undiluted form, exposure may cause opaqueness of cornea, possibly leading to loss of sight.

■ SECTION 08 EMERGENCY FIRST AID PROCEDURES

For Ingestion of Concentrate:	DO NOT induce vomiting. Immediately give two glasses of water or milk to dilute. NEVER give anything to an unconscious person. Call a physician. Treatment should be directed at the control of symptoms and the clinical condition of the patient. There is no specific antidote. Main hazard is due to irritant properties of amines. Bronchodilators, expectorants, and antitussives may be of help.
For ingestion of Use Solution:	Give two glasses water to dilute. Call physician. Severe consequences should not be expected.
For ingestion of Spray Bottle Solution:	Do not induce vomiting. Give large amounts of water or milk to help dilute. Get medical attention.
For Skin:	As for all foreign materials, wash off concentrate or diluted use solution with water. Remove clothing that has been saturated by concentrate. Wash off spray solution with water, removing any saturated clothing. Wash off spray solution with water, removing any saturated clothing. Occasional, short skin contact should have little adverse effects after washing.
For Eyes:	PROMPTLY flush with large amounts of water occasionally lifting the lower and upper lids. Call a physician if Irritation persists. If spray solution gets into eyes promptly and thoroughly flush eyes with large amounts of water, lifting the lower and upper lids to facilitate washing. Get immediate medical attention.
Medical conditions aggravated by exposure:	No data found.

■ SECTION 09 OCCUPATIONAL CONTROL PROCEDURES

Ventilation:	Use with adequate ventilation. Working solution should not present any specific hazard. If misted or aerosol generated, use local or mechanical ventilation to maintain vapor concentration below TLV.
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. Avoid breathing misted vapors. Use with adequate ventilation. Do not store at elevated temperatures.
Spills Clean-up Procedures:	Concentrated materials are packed in unit-dosed bags limiting any spills to very 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	2	1
Flammability	1	1
Reactivity	0	0

■ GENERAL NOTE ABOUT PRODUCTS

CorrectPac® Degreaser detergent formulation is not substantially different from any other commercially available hard surface degreaser. The unique packaging of PortionPac 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, as these are in fact products for mopping as well as other maintenance chores. We know of no serious 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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