

MATERIAL SAFETY DATA SHEET**PortionPac® Chemical Corporation**

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24 HOUR EMERGENCY RESPONSE PHONE: 1-800-535-5053

SECTION 01 IDENTIFICATION

MSDS No. 100 Series DATE: March 2002

TRADE NAME: **ScrubPac® All Purpose Detergent No. 102, 104, 110**
DepotPac® Heavy Duty All Purpose Cleaner No. 105

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: 14.5% in mopping solution: 0.06% in spray solutions: 0.45%-0.90%	
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: 0.06% in spray solutions: 0.50%-1.0%	
Hazard Reference:	100 ppm OSHA PEL	

Common Name:	ethyl alcohol, alcohol	CAS# 64-17-5
Chemical Name:	ethanol	
Hazard % in Formula in Concentrate:	typical: 1.9% in mopping solution: 0.007% in spray solutions: 0.06% - 0.12%	
Hazard Reference:	TLV:TWA 1000ppm, PEL:TWA 1000ppm	

SECTION 02A OTHER INGREDIENTS NOT CONSIDERED HAZARDOUS IN FORMULATION

water	CAS# 7732-18-5
ammonium salt of sulfated nonylphenoxy poly (ethyleneoxy) ethanol	CAS# 9051-57-4
vegetable oil alkanolamide	CAS# 68603-42-9
triethanolamine	CAS# 102-71-6
propylene glycol monomethyl ether	CAS# 107-98-2
EDTA	CAS# 64-02-8
trace fragrant and colorant	

SECTION 03 PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	201 deg.F
Vapor Pressure:	29mm Hg
Vapor Density (air=1):	Not determined.
Water Solubility:	Complete.
Melting/Freezing Point:	< 0 deg. F
Appearance:	Emerald green liquid. Slightly more viscous than water.
Specific Grav. (water=1):	1.025
Percentage Volatiles in Concentrate:	Approx. 30% water; 25% solvent
Evaporation Rate:	much slower than 1 (n-butyl acetate = 1)
pH:	in concentrate: 11.2 ± .3 in mopping solution: 9.8 ± .3 in spray solutions: 9.9 ± .2
Odor:	Ammoniacal odor in concentrate; fresh, slightly ammoniacal and vegetable soap odor in dilution.

SECTION 04 PHYSICAL HAZARD DATA

Flash Point:	181 deg. F Closed cup.
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:	No unusual hazards known.

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

30060, 30062

Oral Toxicity: Not determined for formulation.
 Skin Toxicity: Not known for formulation; Rabbit Skin LD₅₀ 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 significant quantity of concentrate may cause nausea, vomiting, and abdominal pain, incoordination, diarrhea and general weakness. 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 long contact.
 Symptoms of Eye Contact: Causes painful stinging or burning of eyes and lids, watering of eye, conjunctivitis, and in concentrated undiluted form many cause opaqueness of cornea, possibly leading to loss of sight.

SECTION 08 EMERGENCY FIRST AID PROCEDURES

For Ingestion: DO NOT attempt to induce vomiting. Have the individual drink one or more full glasses of water. 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 water. Remove clothing that has been saturated by concentrate.
 For Eyes: PROMPTLY flush with large amounts of water occasionally lifting the lower and upper lids. Call 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 hazard. If misted or an aerosol is generated, local or mechanical exhaust recommended to maintain vapor concentration below TLV. This level, however, should not be reached under normal working conditions.
 Respiratory Protection: Not required under normal working/use conditions.
 Eye Protection: Not normally required. Use if in specific applications working solution will get into eyes.
 Skin Protection: Use gloves if hands will be continuously in solution, not normally necessary in general uses.
 Personal Hygiene: As in handling any detergent, wash thoroughly after using.

SECTION 10 PRECAUTIONS FOR SAFE HANDLING STORAGE AND USE

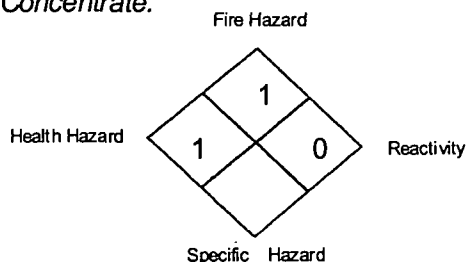
Precautionary Measures: Avoid contact with eyes and prolonged contact of concentrate with skin. Avoid breathing misted vapors. Use with adequate ventilation. Do not store at elevated temperatures greater than 150°.
 Spills Clean-up Procedures: Concentrated materials are packed in unit-dosed bags limiting any spills to very small quantities. Paper toweling or mopping is usually sufficient.
 Disposal Method: Bags can be disposed of in normal waste.

GENERAL NOTE ABOUT PRODUCTS

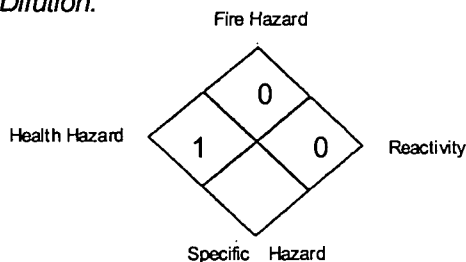
PortionPac® ScrubPac® detergent formulation is not substantially different from any other commercially available hard surface cleaner or for that matter any household spray cleaner available in most grocery stores. The unique packaging of these materials in unit dosed bags limits the amount of exposure of the concentrate to very small amounts. Spills can be cleaned up with paper toweling or plain mopping, 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.

24 HOUR EMERGENCY RESPONSE PHONE: 1-800-535-5053
 MSDS 102/104/105 REVISED: 03/02

In Concentrate:



In Dilution:



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