

# MATERIAL SAFETY DATA SHEET

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

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## SECTION 01 IDENTIFICATION

MSDS No. 100 Series DATE: January, 1994

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

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 Name: ethanolanine, MEA, monoethanolamine  
CAS Registry No.: 141-43-5  
Chemical name: monoethanolamine, 2-aminoethanol  
Hazard % in formula: in concentrate: 14.5% in mopping solution: 0.06%  
Hazard Reference: 3 ppm ACGIH 85/86 Ref. (1) Sec. IX LD<sub>50</sub> rats 10.2g/Kg J.I.N.D.H.Y.G.TOXICOL 23, 259 (1941)

Common Name: DPM  
CAS Registry No.: 34590-94-8  
Chemical Name: dipropylene glycol monomethyl ether  
Hazard % in formula: in concentrate: 16.0% in mopping solution: 0.06%  
Hazard reference: 100 ppm OSHA PEL

Common name: ethyl alcohol, alcohol  
CAS Registry No.: 64-17-5  
Chemical Name: ethanol  
Hazard % in formula: typical: 1.9% in mopping solution: 0.007%  
Hazard reference: TLV:TWA 1000ppm, PEL:TWA 1000ppm

## SECTION 02A OTHER INGREDIENTS NOT CONSIDERED HAZARDOUS IN FORMULATION

water	
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

## 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: Light straw colored 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/use solution: 9.8 ± .3  
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<sub>2</sub>, 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<sub>2</sub>, NO<sub>x</sub> and ammonia may be produced.

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SECTION 06 HEALTH HAZARD DATA

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.
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.
Symptoms of Eye Contact: Causes painful stinging or burning of eyes and lids, watering of eye, conjunctivitis, and in concentrated undiluted form may cause opaqueness of cornea, possibly leading to loss of sight.

SECTION 08 EMERGENCY FIRST AID PROCEDURES

For Ingestion: Suggest inducing vomiting immediately by giving two glasses of water and sticking finger down throat. NEVER give anything to an unconscious person.
For Skin: As for all foreign materials, wash off concentrate or diluted use solution with water.
For Eyes: PROMPTLY flush with large amounts of water occasionally lifting the lower and upper lids.
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.
Respiratory Protection: Not required under normal working/use conditions.
Eye Protection: Not normally required.
Skin Protection: Use gloves if hands will be continuously in solution.
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.
Spills Clean-up Procedures: Concentrated materials are packed in unit dosed bags limiting any spills to very small quantities.
Disposal Method: Bags can be disposed of in normal waste.

GENERAL NOTE ABOUT PORTION PAC 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.

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.

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MSDS 102/104/110 REVISED: 1/94

In Concentrate:

In Dilution:

