

APR 20 1992

**MATERIAL SAFETY DATA SHEET**  
**PortionPac Chemical Corp**  
**400 N Ashland Ave Chicago, IL 60622**

TELEPHONE 312/226-0400 EMERGENCY: 8am - 4:30pm 312/226-0400 FAX 312/226-5400

SECTION 01 IDENTIFICATION

MSDS NO: 400 REV 3 DATE: 5-23-88

TRADE NAME: **NeutraPac4 404**

NOTE: CAS REGISTRY NUMBERS ARE NOT APPLICABLE TO FORMULATED PRODUCTS

SECTION 02 PHYSICAL & HEALTH HAZARDOUS INGREDIENTS

NO HAZARDOUS MATERIAL AS DEFINED BY 29 CFR 1910. SUB 2

SECTION 02A OTHER INGREDIENTS NOT CONSIDERED HAZARDOUS IN FORMULATION -

- WATER
- citric acid
- nonylphenoxy poly(ethyleneoxy)ethanol
- sodium-n-methyl-n-oleoyltaurate
- dye

SECTION 03 PHYSICAL & CHEMICAL CHARACTERISTICS -

BOILING POINT: >> 212 DEG F  
 VAPOR PRESSURE: NOT DETERMINED  
 VAPOR DENSITY (AIR=1): NOT DETERMINED  
 WATER SOLUBILITY: COMPLETE  
 MELTING/FREEZING POINT: < 32 DEG F  
 APPEARANCE: CLEAR BLUE LIQUID  
 SPECIFIC GRAV. (WATER=1): 1.215  
 PERCENTAGE VOLATILES IN CONCENTRATE: APPROX. 38% DUE TO WATER  
 EVAPORATION RATE: MUCH SLOWER THAN 1 (n-BUTYL ACETATE = 1)  
 DENSITY OF CONCENTRATE: 1.4 ± .1 PH WORKING/USE SOLUTION: 2.3  
 ODOR: VERY LITTLE DETECTABLE ODOR IN CONCENTRATE OR USE SOLUTION .

SECTION 04 PHYSICAL HAZARD DATA

FLASH POINT: NOT APPLICABLE  
 FLAMMABLE LIMITS: NOT DETERMINED  
 FIRE FIGHTING MEDIA: TREAT PRIMARY CAUSE OF FIRE  
 SPECIAL FIRE FIGHTING PROCEDURES: NONE

SECTION 05 REACTIVITY DATA

STABILITY: STABLE  
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
 CONDITIONS TO AVOID: NONE KNOWN  
 INCOMPATIBLE MATERIALS: METAL NITRATES  
 HAZARDOUS DECOMPOSITION PRODUCTS: NOT KNOWN

SECTION 06 HEALTH HAZARD DATA

ORAL TOXICITY: NOT DETERMINED  
 SKIN TOXICITY: NOT KNOWN FOR 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: MAY CAUSE DIARRHEA  
 SYMPTOMS OF INHALATION: IF MISTED IN CONCENTRATED FORM, WHICH IS IMPROPER USE, 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.

SECTION 08 EMERGENCY FIRST AID PROCEDURES -

FOR INGESTION: SUGGEST GIVING 1-2 GLASSES OF WATER  
 FOR SKIN: AS FOR ALL FOREIGN MATERIALS, WASH OFF CONCENTRATE OR DILUTED USE SOLUTION WITH WATER.  
 FOR EYES: **IMMEDIATELY** FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.  
 MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NO DATA FOUND

SECTION 09 OCCUPATIONAL CONTROL PROCEDURES -

VENTILATION: NONE NORMALLY REQUIRED

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: NOT NORMALLY REQUIRED.

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 1 1/3 OUNCE BAGS LIMITING ANY SPILLS TO VERY SMALL QUANTITIES. PAPER TOWELING OR MOPPING IS SUFFICIENT.

DISPOSAL METHOD: BAGS SHOULD BE RINSED WHEN PRODUCT IS DILUTED FOR USE AND THEN DISPOSED OF IN NORMAL WASTE.

GENERAL NOTE ABOUT PORTIONPAC PRODUCTS -

PORTIONPAC NeutraPac DETERGENT FORMULATION IS NOT SUBSTANTIALLY DIFFERENT FROM ANY OTHER COMMERCIALY AVAILABLE FLOOR NEUTRALIZER PRODUCT. THE UNIQUE PACKAGING OF PORTIONPAC MATERIALS IN SMALL UNIT DOSED BAGS OF 1 1/3 OUNCE SIZES LIMITS THE AMOUNT OF EXPOSURE OF THE CONCENTRATE TO VERY SMALL AMOUNTS. THESE CAN BE CLEANED UP WITH PAPER TOWELING OR PLAIN MOPPING. WE KNOW OF NO SERIOUS HAZARDS ASSOCIATED WITH THE PROPER USE AND HANDLING OF THIS PRODUCT. NeutraPac IS DILUTED IN NORMAL USE 1:385 (ie. 1 1/3 OUNCE WITH 4 GALS) WITH WATER.

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 PORTIONPAC CHEMICAL CORPORATIONS KNOWLEDGE AND BELIEF, ACCURATE AS OF THE DATE INDICATED.

REVISED: 5-23-88 404