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SECTION 01 IDENTIFICATION

SDS NO. 200 SERIES REV 8 DATE: 5-12-88

TRADE NAME: Germicidal Detergent 201, 202, 204, 205, & 264

NOTE: CAS REGISTRY NUMBERS ARE NOT APPLICABLE TO FORMULATED PRODUCTS

SECTION 02 PHYSICAL & HEALTH HAZARDOUS INGREDIENTS

COMMON NAME: ETHANOLAMINE, MEA, MONOETHANOLAMINE

CAS REGISTRY NO. 141-43-5

CHEMICAL NAME: MONOETHANOLAMINE, 2-AMINOETHANOL

HAZARD % IN FORMULA: 7.95% IN CONCENTRATE

IN WORKING/USE SOLUTION: 0.031%

HAZARD REFERENCE: 3 ppm ACGIH 85/86 Ref. (1) Sec. IX LD<sub>50</sub> RATS 10.2g/kg J.IND.HYG.TOXICOL 23. 259 (1941)

COMMON NAME: BUTYL CELLOSOLVE, POLY SOLV EB

CAS REGISTRY NO. 111-76-2

CHEMICAL NAME: 2-BUTOXYETHANOL

HAZARD % IN FORMULA: 2.0% IN CONCENTRATE

IN WORKING/USE SOLUTION: 0.008%

HAZARD REFERENCE 50 ppm OSHA PEL 25 ppm ACGIH TLV IDLH 700 ppm

NOTE: GERMICIDAL DETERGENTS CONTAIN GERMICIDALLY ACTIVE AGENTS. BY DEFINITION, THESE AGENTS ARE BIOLOGICALLY ACTIVE SO THAT THEY CAN KILL BACTERIA AND VIRUSES ON CONTACT. EVEN THOUGH THEY ARE NOT LISTED BY OSHA et al. AS HAZARDOUS MATERIALS. SAFE HANDLING PROCEDURES AND COMMON SENSE SHOULD BE USED IN THEIR USE AND HANDLING.

SECTION 02A OTHER INGREDIENTS NOT CONSIDERED HAZARDOUS IN FORMULATION -

WATER  
ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE  
NONYLPHENOXY POLY(ETHYLENEOXY)ETHANOL  
TETRAPOTASSIUM PYROPHOSPHATE  
EDTA

SECTION 03 PHYSICAL & CHEMICAL CHARACTERISTICS -

BOILING POINT: 190 DEG F

VAPOR PRESSURE: 19mm Hg

VAPOR DENSITY (AIR=1): NOT DETERMINED

WATER SOLUBILITY: COMPLETE

MELTING/FREEZING POINT: < 0 DEG F

APPEARANCE: RED LIQUID, SLIGHTLY MORE VISCOUS THAN WATER

SPECIFIC GRAV. (WATER=1): 1.056

PERCENTAGE VOLATILES IN CONCENTRATE: APPROX. 65% DUE TO WATER IN FORMULATION

EVAPORATION RATE: MUCH SLOWER THAN 1 (n-BUTYL ACETATE = 1)

PH OF CONCENTRATE: 12.5 ± .2 PH WORKING/USE SOLUTION: 9.6 ± .3

ODOR: FRESH, ANTISEPTIC ODOR

SECTION 04 PHYSICAL HAZARD DATA

FLASH POINT: 214 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 KNOWN

FIRE EXPLOSION HAZARDS: CONTAINS SMALL PERCENTAGE OF A CLASS IIIA COMBUSTIBLE LIQUID. DO NOT HEAT ABOVE 140° F IN THE PRESENCE OF ALUMINUM DUE TO EXCESSIVE CORROSION AND THE RELEASE OF FLAMMABLE HYDROGEN GAS. WORKING SOLUTION IS NOT HAZARDOUS IN THIS SENSE.

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

INCOMPATIBLE MATERIALS: STRONG OXIDIZING OR REDUCING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: ACRID SMOKE AND FUMES EMITTED WHEN HEATED TO DECOMPOSITION. CO, CO<sub>2</sub>, NO<sub>x</sub>, AND AMMONIA MAY BE PRODUCED ON THERMAL DECOMPOSITION.

PREFERRED CLEANING PRODUCTS, INC.  
6211 West Forest Home Ave.  
Milwaukee, WI 53220  
414-541-3456

TOXICITY: NOT DETERMINED FOR FORMULATION  
MUTAGENICITY: 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:** WHEN CONCENTRATE IS INGESTED, IMMEDIATE BURNING PAIN IN THE MOUTH, THROAT, ABDOMEN AND POSSIBLE SEVERE SWELLING OF THE LARYNX. POSSIBLE SKELETAL MUSCLE PARALYSIS AFFECTING THE ABILITY TO BREATHE WITH CIRCULATORY SHOCK IF LARGE QUANTITIES ARE INGESTED. POSSIBLE CONVULSIONS. MAY CAUSE RED BLOOD CELL HEMOLYSIS AND POSSIBLE LIVER AND KIDNEY INJURY. MAY BE FATAL.

**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. LOCALIZED SKIN DEFATTING CAN BE EXPECTED FROM CONCENTRATED MATERIAL ON LONG CONTACT. HARMFUL IF ABSORBED THROUGH SKIN.

**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. CORROSIVE

#### SECTION 08 EMERGENCY FIRST AID PROCEDURES -

**FOR INGESTION:** DO NOT INDUCE VOMITING. IMMEDIATELY GIVE 3-4 GLASSES OF MILK (IF NONE, GIVE WATER). IF VOMITING OCCURS, GIVE FLUIDS AGAIN. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN. PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK AS WELL AS OXYGEN AND MEASURES TO SUPPORT BREATHING MANUALLY OR MECHANICALLY MAY BE NEEDED. IF PERSISTENT, CONVULSIONS MAY BE CONTROLLED BY THE CAUTIOUS INTRAVENOUS INJECTION OF A SHORT ACTING BARBITURATE DRUG.

**FOR SKIN:** AS FOR ALL FOREIGN MATERIALS. WASH OFF WITH WATER. REMOVE CLOTHING WHICH HAS BEEN SATURATED BY CONCENTRATE. DO NOT ALLOW PROLONGED CONTACT WITH THE CONCENTRATED UNDILUTED MATERIAL AS TOXIC AMOUNTS CAN BE ABSORBED. DECONTAMINATE AFFECTED CLOTHING AND SHOES.

**FOR EYES:** IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS APART TO ENSURE COMPLETE RINSING OF THE ENTIRE SURFACE OF THE EYE AND LIDS WITH WATER. CALL A PHYSICIAN IMMEDIATELY.

**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, LOCAL OR MECHANICAL EXHAUST RECOMMENDED TO MAINTAIN VAPOR CONCENTRATION BELOW THIS LEVEL SHOULD NOT BE REACHED UNDER NORMAL WORKING CONDITIONS

**RESPIRATORY PROTECTION:** NOT REQUIRED UNDER NORMAL WORKING/USE CONDITIONS

**EYE PROTECTION:** EPA RECOMMENDS USE OF EYE PROTECTION.

**SKIN PROTECTION:** EPA RECOMMENDS USE OF GLOVES TO HANDLE GERMICIDAL PRODUCTS

**PERSONAL HYGIENE:** AS IN HANDLING ANY GERMICIDAL 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 1/2, 1, 2, 2 1/2, AND 4 OUNCE BAGS LIMITING ANY SPILLS TO VERY SMALL QUANTITIES. PAPER TOWELING OR MOPPING IS USUALLY SUFFICIENT.

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

**FOOD CONTAMINATION:** FOODS CONTAMINATED BY GERMICIDES SHOULD BE DISCARDED AND UTENSILS, etc. SHOULD BE RINSED WITH POTABLE WATER BEFORE USE.

#### GENERAL NOTE ABOUT PORTIONPAC PRODUCTS -

PORTIONPAC GERMICIDAL DETERGENT FORMULATION IS NOT SUBSTANTIALLY DIFFERENT FROM ANY OTHER COMMERCIALY AVAILABLE GERMICIDES. THE UNIQUE PACKAGING OF PORTIONPAC MATERIALS IN SMALL UNIT DOSED BAGS OF 1/2, 1, 2, 2 1/2 AND 4 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. THESE ARE IN FACT PRODUCTS FOR MOPPING AS WELL AS OTHER MAINTENANCE CHORES REQUIRING DISINFECTANTS. WE KNOW OF NO SERIOUS HAZARDS ASSOCIATED WITH THE PROPER USE AND HANDLING OF THIS PRODUCT. GERMICIDAL DETERGENT IS DILUTED IN NORMAL USE 1:256 (ie. 1 OUNCE WITH 2 GALS) WITH WATER.

PORTIONPAC CHEMICAL CORPORATION MAKES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, EXCEPT THAT SUCH INFORMATION IS, TO THE BEST OF PORTIONPAC CHEMICAL CORPORATION'S KNOWLEDGE AND BELIEF, ACCURATE AS OF THE DATE INDICATED.

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