

MATERIAL SAFETY DATA SHEET  
SIMILAR TO OSHA FORM 174

Product # - D40

SECTION I  
MANUFACTURER/DISTRIBUTOR INFORMATION

MANUFACTURER/DISTRIBUTOR: PATCO, INC.

ADDRESS: 7710 MALLAGE DRIVE, LIVERPOOL, NY 13090

EMERGENCY TELEPHONE NUMBER: (800) 426-1127

CHEMICAL NAME AND SYNONYMS: QUATERNARY AMMONIUM COMPOUND

TRADE NAME: FOOD SERVICE SANITIZER

CHEMICAL FAMILY: QUATERNARY DISINFECTANT

FORMULA: N.A. BLENDED PRODUCT

HAZARD CODE: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 0 OTHER: NONE

SECTION II  
HAZARDOUS INGREDIENTS AND FIVE MAJOR COMPONENTS

WATER (CAS# 7732-18-5)	% CONC. RANGE	HAZARD RATINGS (TLV/PEL)
ALKALI (C14, 58%; C16, 28%; C12, 14%;)	85.0-90.0	N/A
DIMETHYLBENZYL AMMONIUM CHLORIDE (CAS# 8001-54-5)	10.0-12.0	NOT EST.
ETHANOL (CAS# 64-17-5)	2.0-2.5	4009mg/Kg

SECTION III  
PHYSICAL DATA

BOILING POINT (OF): 212  
VAPOR PRESSURE: NOT EST.  
VAPOR DENSITY: NOT EST.  
SOLUBILITY IN WATER: COMPLETE  
APPEARANCE: CLEAR COLORLESS LIQUID  
ODOR: SWEET ODOR

SPECIFIC GRAVITY: .99  
% VOLATILES BY WEIGHT: 90  
EVAPORATION RATE: NOT EST.  
PH: 6.0-8.0

DATE PREPARED: 09-11-1991

BY: TGC

NOTE: NOT EST. = NOT ESTABLISHED  
PROP. = PROPRIETARY

SECTION IV  
FIRE AND EXPLOSION DATA

FLASH POINT (OF): NOT EST.

FLAMMABLE LIMITS: NOT EST.

EXTINGUISHING MEDIA: WATER, CO2, DRY CHEMICAL, FOAM.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V  
HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT ESTABLISHED  
EFFECTS OF OVER EXPOSURE: CAUSES SKIN AND EYE IRRITATION. HARMFUL IF SWALLOWED.

EMERGENCY AND FIRST AID PROCEDURES:

FOR SKIN: FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL AID.  
FOR EYES: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL AID.  
IF INGESTED: DRINK PROMPTLY A LARGE QUANTITY OF MILK, RAW EGG WHITES, GELATIN SOLUTION OR IF THESE ARE NOT READILY AVAILABLE, DRINK A LARGE QUANTITY OF WATER. AVOID ALCOHOL. CALL A PHYSICIAN IMMEDIATELY.  
INHALATION: NOT CONSIDERED A HAZARDOUS ROUTE OF EXPOSURE.

CONDITIONS AGGRAVATED BY EXPOSURE: SEVERE SKIN AND EYE IRRITATION.  
LISTED CARCINOGEN, MUTAGEN, TERATOGEN (INGREDIENT, SOURCE, AMOUNT): NONE

SECTION VI  
REACTIVITY DATA

STABILITY: STABLE  
CONDITIONS TO AVOID: DO NOT STORE NEAR HEAT OR OPEN FLAME.  
INCOMPATIBILITY: NONE  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: NONE

SECTION VII  
SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: RECONTAINERIZE BY MOPPING, WET VACUUM, OR BY USING A SUITABLE ABSORBENT.

WASTE DISPOSAL METHOD: FOLLOW LOCAL, STATE, AND FEDERAL GUIDELINES.

SECTION VIII  
SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NOT REQUIRED  
VENTILATION: LOCAL  
PROTECTIVE GLOVES: RUBBER OR LATEX GLOVES RECOMMENDED.  
EYE PROTECTION: SAFETY GLASSES RECOMMENDED.  
OTHER PROTECTIVE EQUIPMENT: NONE REQUIRED

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN TIGHTLY CLOSED, ORIGINAL CONTAINER IN A SECURED AREA INACCESSIBLE TO CHILDREN AND AWAY FROM FOOD OR FEED. STORE BETWEEN 340 AND 1200 F.

OTHER PRECAUTIONS: KEEP AWAY FROM HEAT AND OPEN FLAME. DO NOT REUSE EMPTY CONTAINER. KEEP OUT OF REACH OF CHILDREN. FOR SALE TO, USE AND STORAGE BY SERVICE PERSONNEL ONLY.

# MATERIAL SAFETY DATA SHEET

PRODUCT # 88

## SECTION I DISTRIBUTOR PRODUCT INFORMATION

DISTRIBUTOR: **Pasco Management Co. Inc.**  
 ADDRESS: 7710 Mallage Drive Liverpool, NY 13090  
 EMERGENCY TELEPHONE NUMBER: (800) 466-0693  
 CHEMICAL NAME AND SYNONYMS: **Quaternary Ammonium Compound**  
 TRADE NAME: Prosan #88 Dish Detergent  
 CHEMICAL FAMILY: Quaternary Disinfectant  
 FORMULA: N/A Blended Product  
 HMIS HAZARD CODE: HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0 OTHER: None

## SECTION II INGREDIENT INFORMATION

	% BY WEIGHT (RANGE)	HAZARD RATINGS (TLV/PEL)
Water (CAS# 7732-18-5)	85.0-95.0	N/A
Diacyl Dimethyl Ammonium Chloride (CAS# 7173-51-5)	5.0-10.0	Not Est.

## SECTION III PHYSICAL DATA

BOILING POINT (OF): 212  
 VAPOR PRESSURE: Not Est.  
 VAPOR DENSITY: Not Est.  
 SOLUBILITY IN WATER: Complete  
 APPEARANCE: Thin Colorless Liquid  
 ODOR: Typical Quaternary Odor

SPECIFIC GRAVITY: .998  
 % VOLATILES BY WEIGHT: 90  
 EVAPORATION RATE: Not Est.  
 pH: 8.0 - 9.0

DATE PREPARED: 02-18-2000

PREPARED BY: TMI

NOTE: Not Est. = Not Established  
 Prop. = Proprietary

## SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT (OF): Not Est. FLAMMABLE LIMITS: Not Est.  
 EXTINGUISHING MEDIA: Water, CO<sub>2</sub>, Dry Chemical, Foam.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

## SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not Est.  
 EFFECTS OF OVER EXPOSURE: Causes skin and eye irritation. Harmful if swallowed.

### EMERGENCY AND FIRST AID PROCEDURES:

FOR SKIN: Flush skin with plenty of water. Remove contaminated shoes and clothing. If irritation develops, get medical aid.  
 FOR EYES: Flush eyes with plenty of water for at least 15 minutes. Remove contaminated shoes and clothing. Get medical aid.  
 IF INGESTED: Drink promptly a large quantity of milk, raw egg whites, gelatin solution, or if these are not readily available, drink a large quantity of water. AVOID ALCOHOL. Call a physician immediately.  
 INHALATION: Not considered a hazardous route of exposure.  
 CONDITIONS AGGRAVATED BY EXPOSURE: None known.  
 LISTED CARCINOGEN, MUTAGEN, TERATOGEN (INGREDIENT, SOURCE, AMOUNT): None.

## SECTION VI REACTIVITY DATA

STABILITY: Stable.  
 CONDITIONS TO AVOID: Do not store near heat or open flame.  
 INCOMPATIBILITY: None.  
 HAZARDOUS DECOMPOSITION PRODUCTS: None.  
 HAZARDOUS POLYMERIZATION: Will not occur.  
 CONDITIONS TO AVOID: None.

## SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Recontaminize by mopping, wet vacuum or by using a suitable absorbent. Do not contaminate water, food or feed.  
 WASTE DISPOSAL METHOD: Open dumping is prohibited. Follow local, state and federal guidelines.

## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not Applicable.  
 VENTILATION: Local Exhaust.  
 PROTECTIVE GLOVES: Rubber or latex gloves Required.  
 EYE PROTECTION: Safety Glasses Required.  
 OTHER PROTECTIVE EQUIPMENT: None Required.  
 PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep out of reach of children.  
 OTHER PRECAUTIONS: Do not reuse empty container. Triple rinse (or equivalent) container before disposal.