

DU PONT E I DE NEMOURS AND CO INC -- TOTAL PROTEIN (TP) TEST PACKS,701333901 --
6550-01-037-4733

===== Product Identification =====

Product ID:TOTAL PROTEIN (TP) TEST PACKS,701333901

MSDS Date:08/01/1989

FSC:6550

NIIN:01-037-4733

MSDS Number: BQGRQ

=== Responsible Party ===

Company Name:DU PONT E I DE NEMOURS AND CO INC

Address:BIOMEDICAL PRODUCTS DEPT, GLASGOW SITE

City:WILMINGTON

State:DE

ZIP:19

898

Country:US

Info Phone Num:800-441-9250/302-453-2311

Emergency Phone Num:800-441-3637/302-453-2311

CAGE:52246

=== Contractor Identification ===

Company Name:DU PONT E I DE NEMOURS AND CO INC

Address:BIOMEDICAL PRODUCTS DEPT, GLASGOW SITE

Box:City:WILMINGTON

State:DE

ZIP:19898

Country:US

Phone:800-441-3637/302-453-2311

CAGE:52246

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM HYDROXIDE (SARA III)/POTASSIUM SODIUM TARTRATE
SOLUTION

CAS:1310-73-2

R

TECS #:WB4900000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:2 MG/M3

ACGIH TLV:C 2 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:CUPRIC SULFATE,PENTAHYDRATE/SOLUTION

CAS:7758-99-8

RTECS #:GL8900000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1MG/M3

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACU

TE- CORROSIVE. CAN CAUSE PERMANENT EYE DAMAGE. CAN CAUSE SKIN BURNS ON PROLONGED CONTACT. NOT A HAZARD BY INHALATION. CAN CAUSE DAMAGE TO DIGESTIVE SYSTEM. CHRONIC- NONE KNOWN.

Effects of Overexposure:CORROSIVE. CAN CAUSE PERMANENT EYE DAMAGE. CAN CAUSE SKIN BURNS ON PROLONGED CONTACT. NOT A HAZARD BY INHALATION. CAN CAUSE DAMAGE TO DIGESTIVE SYSTEM.

Medical Cond Aggravated by Exposure:NONE KNOWN

===== First Aid Measures =====

First Aid:G

ET MEDICAL ATTENTION. SKIN:IMMEDIATELY FLUSH WITH PLENTY OF WATER. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER.CALL A PHYSICIAN.

===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED CO

NTAINERS.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND SELF CONTAINED BREATHING APPARATUS. EVACUATE PERSONNEL TO A SAFE AREA, UPWIND OF FIRE.

Unusual Fire/Explosion Hazard:CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES AND SULFUR OXIDES

===== Accidental Release Measures =====

Spill Release Procedures:CONTAIN LEAKING MATERIAL. COVER WITH AN ABSORBENT MATERIAL. DISCARD IN AN APPROVED CONTAINER.

===== Handling and Storage =====

Handling and Storage Precautions:STORAGE- STORE UNOPENED PACKS AT 2-8C. DO NOT FREEZE. USED PACKS CONTAIN HUMAN FLUIDS; HANDLE WITH APPROPRIATE CARE.

Other Precautions:DO NOT EXPOSE UNPRPOCESSED PACKS TO TEMPERATURES ABOVE 35C OR TO DIRECT SUNLIGHT. DO NOT KEEP EXPOSED PACKS AT ROOM TEMPERATURES (15-25C) FOR MORE THAN 8 HOURS. WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

===== Exposure Controls/Pe

Personal Protection =====

Respiratory Protection:NONE NORMALLY REQUIRED

Ventilation:NONE NORMALLY REQUIRED

Protective Gloves:LATEX

Eye Protection:SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER AND DISPOSABLE GOWN

Work Hygienic Practices:PRACTICE GOOD HYGIENIC PROCEDURE. WASH THOROUGHLY BEFORE EATING OR DRINKING.

Supplemental Safety and Health

===== Physical/Chemical Properties =====

HCC:B1

Solubility in Water:SOLUBLE

Appearance

and Odor:PROCESSED PACK IS VIOLET TO PURPLE LIQUID WITH NO ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:EXCESSIVE HEAT

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES AND SULFUR OXIDES

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN CONFORMITY WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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particular situation.