

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:1

9898

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

RTECS #: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:AC

UTE- 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:

GET 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

CONTAINERS.

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 UNPROCESSED 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/P

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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to

their
particular situation.