

NUCLEAR RESEARCH CORP -- TRITIUM WATER -- 6665-00-878-0490

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

Product ID:TRITIUM WATER

MSDS Date:11/14/1991

FSC:6665

NIIN:00-878-0490

MSDS Number: BMBWF

=== Responsible Party ===

Company Name:NUCLEAR RESEARCH CORP

Address:RICHBOYNTON ROAD

Box:937

City:DOVER

State:NJ

ZIP:07801

Country:US

Info Phone Num:201-361-5600

Emergency Phone Num:201-361-5600 EXT 341

CAGE:06442

=== Contractor Identification ===

Company Name:NUCLEAR RESEARCH CORP DOVER DIVISION

Address:58 RICHBOYNTON RD

Box:937

City:DOVER

State:NJ

ZIP:07801

Country:US

Phone:973-361-5600

CAGE:06442

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

Ingred Name:NO INGREDIENT FOR THIS FORMULATION_INGREDIENT

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Repo

Results of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL: LOW LEVEL RADIATION EXPOSURE.
SKIN: LOW LEVEL RADIATION EXPOSURE. EYES: LOW LEVEL RADIATION
EXPOSURE. INGEST: LOW LEVEL RADIATION EXPOSURE.
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:NONE.
Medical Condition Aggravated by Exposure:NONE

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

First Aid:CONSULT LOCAL HEALTH PHYSICIST AND DO THE FOLLOWING: INGEST:
DRINK LARGE AMOUNTS OF WATER. SKIN: WASH THOROUGHLY WITH SOAP AND
WATER. EYES: IMMEDIATELY RINSE & FLUSH WITH WATER FOR AT LEAST 15
MINUTES. INHAL: REMOVE TO FRESH AIR.

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

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRE .
Fire Fighting Procedures:USE NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT .
Unusual Fire/Explosion Hazard:NOT APPLICABLE. MATERIAL IS WATER AND NOT
COMBUSTIBLE.

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

Spill Release Procedures:CONSULT YOUR HEALTH PHYSICIST OR RADIATION
SAFETY OFFICER. ABSORB WITH DRY CLOTH.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:NONE, EXCEPT OBSERVE ALL PRECS
ATTENDANT TO USE OF RADIOACTIVE MATS. CONSULT YOUR RADIATION SAFETY
OFFICE/HEALTH PHYSICIST FOR SPEC INSTRUCTIONS.
Other Precautions:CONSULT YOUR
LOCAL RADIATION SAFETY OFFICER OR HEALTH
PHYSICIST.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE
FOR EXPOSURE OF CONCERN .
Protective Gloves:PLASTIC (WATER PROOF) GLOVES.
Eye Protection:CHEMICAL WORKERS GOGGLES .
Work Hygienic Practices:WASH HANDS WITH SOAP AND WATER.
Supplemental Safety and Health
CONDITION TO AVOID: CHEMICALS IN SAME MANNER WITH WATER.

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

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Boiling Pt:B.P. Text:212F,100C

Melt/Freeze Pt:M.P/F.P Text:32.0F,0.0C

Vapor Pres:2.34

Vapor Density:0.0059

Spec Gravity:1.0

Evaporation Rate & Reference:0.005 CC/MM @ 70F(BUAC=1)

Appearance and Odor:CLEAR WATER, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH WATER REACTIVE MATERIAL: METALLIC SODIUM, CALCIUM,
POTASSIUM ANHYDROUS, SODIUM CHLORIDE.

Stability Condition

to Avoid:RADIATION MATL, AVOID DRINKING, INHALING

TRITIUM WATER VAP, AVOID EYE/SKIN CNTCT W/TRITIUM WATER. REACTS
W/(SUPP DATA)

Hazardous Decomposition Products:GASEOUS TRITIUM AND TRITIUM OXIDE
(BOTH RADIATION MATLS).

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

Waste Disposal Methods:CONSULT YOUR RADIATION SAFETY OFFICER. DISCARD
IN ACCORDANCE WITH RADIATION MATERIALS DISPOSAL PROCEDURES. DISPOSE
OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS .

Discl

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