

WATER CHEMISTRY, INC -- STANDARD HARDNESS SOLUTION -- 6810-01-125-5234

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

Product ID:STANDARD HARDNESS SOLUTION

MSDS Date:01/17/1995

FSC:6810

NIIN:01-125-5234

MSDS Number: BXVDT

=== Responsible Party ===

Company Name:WATER CHEMISTRY, INC

Box:4273

City:ROANOKE

State:VA

ZIP:24015

Country:US

Info Phone Num:703-989-0400

Emergency Phone Num:703-989-0400

CAGE:66378

=== Co

ntractor Identification ===

Company Name:WATER CHEMISTRY, INC

Address:3404 AERIAL WAY DR SW

Box:4273

City:ROANOKE

State:VA

ZIP:24018-1504

Country:US

Phone:540-989-0400/343-3618

CAGE:66378

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

Ingred Name:CALCIUM CHLORIDE

CAS:10043-52-4

RTECS #:EV9800000

Other REC Limits:NONE RECOMMENDED

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

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

Reports of Carcinog

enicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:IRRITATION TO SKIN, SEVERE IRRITATION TO EYES. MAY CAUSE NAUSEA IF INGESTED.  
Explanation of Carcinogenicity:NONE.  
Effects of Overexposure:IRRITATION TO SKIN, SEVERE IRRITATION TO EYES. MAY CAUSE NAUSEA IF INGESTED.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:FLUSH EYES IMMEDIATELY WITH WATER FOR 15 MINUTES. WASH SKIN THOROUGHLY WITH WATER. REMOVE CLOTHING. IF INHALED, REMOVE TO FRESH AIR. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NE  
Autoignition Temp:Autoignition Temp Text:NE  
Lower Limits:NE  
Upper Limits:NE  
Extinguishing Media:NE  
Fire Fighting Procedures:ALWAYS WEAR SELF-CONTAINED BREATHING APPARATUS OPERATED IN POSITIVE PRESSURE MODE WHEN FIGHTING FIRES TO WHICH CHEMICALS ARE EXPOSED.  
Unusual F  
ire/Explosion Hazard:NONE

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

Spill Release Procedures:CONTAIN SPILLED MATERIAL FOR DISPOSAL AND RINSE SPILL AREA.

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID CONTACT WITH SKIN OR EYES.  
Other Precautions:SAFETY SHOWER AND EMERGENCY EYEWASH STATION SHOULD BE AVAILABLE IN IMMEDAITE VINCINITY OF PRODUCT USE.

=====

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

Respiratory Protection: PREFERRED.  
Ventilation: RECOMMENDED.  
Protective Gloves: RUBBER.  
Eye Protection: CHEMICAL SPLASH GOGGLES.  
Other Protective Equipment: IMPERVIOUS APRON OR CLOTHING AND FOOTWARE.  
Work Hygienic Practices: FOLLOW NORMAL HYGIENIC PRACTICES FOR HANDLING CHEMICALS.  
Supplemental Safety and Health  
NONE

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

HCC: N1  
Boiling Pt: B.P. Text: NE  
Melt/Freeze Pt: M.P/F.P  
Text: NE  
Decomp Temp: Decomp Text: NE  
Vapor Pres: NE  
Vapor Density: NE  
Spec Gravity: NE  
pH: NE  
Viscosity: NE  
Evaporation Rate & Reference: NE  
Solubility in Water: COMPLETE  
Appearance and Odor: CLEAR LIQUID.  
Percent Volatiles by Volume: NE  
Corrosion Rate: NE

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

Stability Indicator/Materials to Avoid: YES  
B<sub>2</sub>O<sub>3</sub>+CAO, BRF3.  
Stability Condition to Avoid: NONE  
Hazardous Decomposition Products: WHEN HEATED EMITS TOXIC FUMES OF CHLORINE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE 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.