

VARICHEC CORP DBA CLAYTON CHEMICAL CO. -- 414-16A LITHMATIC DEVELOPER &  
REPLENISHER PART A -- 6750-01-385-4429

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

Product ID:414-16A LITHMATIC DEVELOPER & REPLENISHER PART A

MSDS Date:09/27/1991

FSC:6750

NIIN:01-385-4429

MSDS Number: CCMCT

=== Responsible Party ===

Company Name:VARICHEC CORP DBA CLAYTON CHEMICAL CO.

Address:13310 S. FIGUEROA STREET

City:LOS ANGEL

ES

State:CA

ZIP:90061

Country:US

Info Phone Num:310-538-9530

Emergency Phone Num:310-538-9530/800-424-9300(CHEMTREC)

CAGE:KO056

=== Contractor Identification ===

Company Name:CLAYTON CHEMICAL CO.

Address:13310 S. FIGUEROA STREET

Box:City:LOS ANGELES

State:CA

ZIP:90061

Country:US

Phone:310-538-9530/800-424-9300(CHEMTREC)

CAGE:61803

Company Name:VARICHEC CORP DBA CLAYTON CHEMICAL CO.

Address:13310 S. FIGUEROA STREET

Box:276-Z

City:LOS ANGELES

State:CA

ZIP:90061

Country:US

Phone:310-538-9530

CAGE:

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

Ingred Name:SODIUM FORMALDEHYDE BISULFITE  
CAS:870-72-4  
RTECS #:PB2200000  
Fraction by Wt: 20-25%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:TRIETHYLENE GLYCOL  
CAS:112-27-6  
RTECS #:YE4550000  
Fraction by Wt: 10-15%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:HYDROQUINONE (SARA 302/313) (CERCLA)  
CAS:123-31-9  
RTECS #:MX3500000  
Fraction by Wt: 5-8%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9  
596  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE:MAY CAUSE IRRIT. SKIN:MAY CAUSE  
IRRIT,MAY CAUSE ALLERGIC SKIN REACTION. IHAL:NORMALLY NO PROBLEM  
BUT INHAL OF MIST COULD CAUSE RESP IRRIT.INGEST:MAY CAUSE IRRIT OF  
MUCOUS MEMBRANES OR  
DIGESTIVE TR ACT. HYDROQUINONE:REP CONTACT CAN  
CAUSES KIN SENS/ALLERGIC DERM.CHRONIC CAN CAUSE  
ANEMIA/DISCOLORATION,CORNEAL OPACITY.  
Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY  
LISTING:NTP/IARC/OSHA:NO.  
Effects of Overexposure:EYE IRRIT, SKIN IRRIT, ALLERGIC SKIN REACTION.  
RESP IRRIT, MUCOUS MEMBRANE/DIGESTIVE TRACT IRRIT. SKIN  
SENS/ALLERGIC DERM. ANEMIA, DISCOLORATION, CORNEAL OPACITY.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

=====

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

First Aid:EYE:IMMED FLUSH W/PLENTY OF RUNNING WATER FOR @LEAST 15MINS.OBTAIN MED ATTN. SKIN:FLUSH AFFECTED AREAS PROMPTLY W/WATER FRO 15MINS.REMOVE CONTAMIN CLOTH.INCASE OF CONT IRRIT CONSULT PHYSICIAN. INHAL:F OR OEVEREXPO REMOVE TO FRESH AIR. INGEST:INDUCE VOMIT.OBTAIN IMMED MED ATTN.

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

Flash Point:NOT FLAMMABLE  
Autoignition Temp:Autoignition Temp Te  
xt:NP  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:ANY EXTINGUISHING MEDIA APPLICABLE TO SURROUNDING AREA.  
Fire Fighting Procedures:EVACUATE PERSONNEL TO SAFE AREA.KEEP PERSONNEL REMOVED & UPWIND OF FIRE.WEAR SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:WHEN HEATED TO DECOMPO EMISION OF TOXIC FUMES OF SO2 IS POSSIBLE.

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

Spill Release Procedures:USE APPROPRIATE PPE DURING CLEANUP.DI  
KE.PREVENT FROM ENTERING SEWERS/WATERWAYS/LOW AREAS.SOAK UP W/SAND,OIL DRY,OTHER ABSORBENT MATLS.SPILL MAY BE NEUTRALIZED WITH POWDERED CITRIC ACID.  
Neutralizing Agent:POWDERED CITRIC ACID.

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

Handling and Storage Precautions:STORE IN WELL VENTI AREA.KEEP CNTNR TIGHTLY CLSD.DO NOT STORE W/INCOMPATIBLE MATLS.DO NOT STORE/CONSUME FOOD/DRINK/TOBACCO IN AREA WHERE MAY BE CONTAN  
Other Precautions:SARA TITLE III REPORTI  
NG REQMTS CHEM: HYDROQUINONE.

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

Respiratory Protection:SUFFICIENT ROOM VENTILATION.  
Ventilation:SUFFICIENT ROOM VENTILATION.  
Protective Gloves:GLOVES.  
Eye Protection:SPLASH PROT, EYGLASSES W/SIDE SHIELDS.  
Other Protective Equipment:APRONS.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health

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

HCC:N1  
Boiling Pt:B.P. Text:>212F

,>100C  
Melt/Freeze Pt:M.P/F.P Text:NA  
Decomp Temp:Decomp Text:NP  
Vapor Pres:WATER  
Vapor Density:WATER  
Spec Gravity:1.243  
pH:7.20  
Viscosity:NP  
Evaporation Rate & Reference:SAME AS WATER  
Solubility in Water:100%, COMPLETE.  
Appearance and Odor:CLEAR AND COLORLESS TO PALE VIOLET, NO ODOR.  
Percent Volatiles by Volume:WATER  
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS, OXIDIZERS.  
Stability Condition  
to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decomposition Products:SULFUR DIOXIDE, CO2.

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

Waste Disposal Methods:RECOVER NONUSABLE FREE LIQ/CONTAMIN WATER.DISPO  
IN APPROVED/PERMITTED TREATMENT SYS.REMOVE NONUSABLE SOLID  
MATL/CONTAMIN SOIL FOR DISPO APPROVED/PERMITTED LANDFILL.DISCHARGE  
TO SEWER REQUIRES APPORVAL OF PERMITTING AUTHORITY/MAY REQUIRE  
PRETREATMENT.

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.