

MANTECH,DIVISION OF NCH CORP. -- 0395;CITRI-CON -- 6850-01-416-8013

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Product Identification
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Product ID:0395;CITRI-CON

MSDS Date:06/25/1993

FSC:6850

NIIN:01-416-8013

MSDS Number: BYFQF

=== Responsible Party ===

Company Name:MANTECH,DIVISION OF NCH CORP.

Box:152170

City:IRVING

State:TX

ZIP:75015

Country:US

Info Phone Num:214-438-1381

Emergency Phone Num:214-438-1381

Preparer's Name:B DUN

CAN,CHEMIST

CAGE:64796

=== Contractor Identification ===

Company Name:NCH CORP / MANTEK DIV

Address:1320 E NORTHGATE DRIVE

Box:152170

City:IRVING

State:TX

ZIP:75015-2170

Country:US

Phone:800-527-9919

CAGE:64796

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Composition/Information on Ingredients
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Ingred Name:D-LIMONENE

CAS:5989-27-5

RTECS #:GW6360000

Other REC Limits:NONE RECOMMENDED

Ingred Name:GLYCOLS, POLYETHYLENE MONO(TRIMETHYLNONYL) (TERGITOL
TMN-10)

CAS:60828-78-6

RTECS #:MD0907900

Other REC Limits

:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 RAT=4400MG/KG(LIMONENE)

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

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

Health Hazards Acute and Chronic:EYES:IRRITATION.IF LEFT

UNTREATED,PERMANENT CORNEAL DAMAGE MAY

OCCUR.SKIN:IRRITATION.INGEST:GI TRACT SEVERE IRRITATION.ASPIRATION

HAZARD.INHAL:MAY CAUSE RESPIRATORY IRRITATION OR LUNG

INJURY.CHRONIC:M A

Y CAUSE CORNEAL DAMAGE,DERMATITIS AND

SENSITIZATION.TARGET ORGANS:EYES,SKIN,RESPIRATORY SYSTEM AND GI

TRACT

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%

WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of

Overexposure:EYES:PAIN,TEARING,BLINKING,CONJUNCTIVITIS.SKN:ITCHING,

DISCOMFORT,LOCAL REDNESS AND SWELLING.INGEST:LESIONS OF THE MOUTH

AND THROAT,CHEST OR ABDOMINAL

PAIN,NAUSEA,VOMITING,DIARRHEA,THIRST,FAINTNESS,DIZ

ZINESS,WEA

KNESS,DROWSINESS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN,EYES

OR GI TRACT AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND

WATER.EYES:REMOVE CONTACT LENSES;FLUSH WITH WATER FOR 15

MINUTES.GET IMMEDIATE MEDICAL ATTENTION.INHAL:REMOVE TO FRESH

AIR.GIVE OXYGEN OR ARTIFICIA L RESPIRATION IF NEEDED.INGEST:DO NOT

INDUCE VO

MITING.GET PROMPT QUALIFIED MEDICAL ATTENTION.IF

CONCIOUS,GIVE 3-4 GLASSES OF WATER.FOR SPONTANEOUS VOMITING,GIVE

FLUIDS IF CONCIOUS.

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

Flash Point Method:TCC

Flash Point:116F,47C

Lower Limits:0.7

Upper Limits:8.1

Extinguishing Media:FOAM,DRY CHEMICAL,CARBON DIOXIDE.HANDLE AS AN OIL

FIRE WITH CLASS B FIRE PROCEDURES.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND

FULL PROTECTIVE EQUIPMENT.

COOL FIRE EXPOSED CONTAINERS WITH WATER

FOG.

Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.DO NOT USE A DIRECT STREAM OF WATER;PRODUCT MAY PRODUCE A FLOATING FIRE HAZARD.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT.SHUT OFF LEAK IF SAFE.DIKE.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.WASH SPILL AREA TO REMOVE SLIPPINESS.
Neutralizing Agent:NOT APPLICABLE.

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

Handling and Storage Precautions:STORE BETWEEN 32-60F IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.KEEP AWAY FROM HEAT,IGNITION SOURCES AND INCOMP MATLS.
Other Precautions:STORE PRODUCT IN SIDE TO PREVENT CONDENSATION AND SUBSEQUENT CONTAMINATION.AVOID FREEZING.AVOID SKIN AND EYE CONTACT.DO NOT INHALE VAPORS/MISTS.FOLLOW LABEL DIRECTIONS.KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR SPRAY MISTS.
Ventilation:USE LOCAL EXHAUST.
Protective Gloves:PVA
Eye Protection:CHEMICAL SPLASH GOGGLES
Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.
Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDRER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.
Supplemental Safety and Health
NONE

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

HCC:F4
Boiling Pt:B.P. Text:375F,191C
Spec Gravity:0.838-0.843
pH:8-9
Viscosity:NON-VISCOUS
Evaporation Rate & Reference: