

C AND H CHEMICAL INC -- C&H 14EX SPRAY DETERGENT -- 6850-01-415-7686

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Product Identification
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Product ID:C&H 14EX SPRAY DETERGENT

MSDS Date:05/11/1999

FSC:6850

NIIN:01-415-7686

MSDS Number: CJRDM

=== Responsible Party ===

Company Name:C AND H CHEMICAL INC

Address:222 STARKEY ST

City:SAINT PAUL

State:MN

ZIP:55107

Country:US

Info Phone Num:612-227-4343

Emergency Phone Num:800-228-5635 EXT

005

CAGE:0ZAU9

=== Contractor Identification ===

Company Name:C AND H ENTERPRISES INC

Address:222 STARKEY ST

Box:City:SAINT PAUL

State:MN

ZIP:55107

Country:US

Phone:651-227-4343/FAX: 651-227-2485

Contract Num:SP0450-00-M-SB98

CAGE:0ZAU9

Company Name:C AND H ENTERPRISES INC

Address:222 STARKEY ST

Box:City:SAINT PAUL

State:MN

ZIP:55107

Country:US

Phone:651-227-4343/FAX: 651-227-2485

Contract Num:SP0450-01-M-ZC04

CAGE:0ZAU9

Company Name:C AND H ENTERPRISES INC

Address:222 STARKEY ST

Box:City:SAINT

PAUL
State:MN
ZIP:55107
Country:US
Phone:651-227-4343/FAX: 651-227-2485
Contract Num:SP0450-02-M-M024
CAGE:0ZAU9
Company Name:C AND H ENTERPRISES INC
Address:222 STARKEY ST
Box:City:SAINT PAUL
State:MN
ZIP:55107
Country:US
Phone:651-227-4343/FAX: 651-227-2485
Contract Num:SP0450-99-M-NK06
CAGE:0ZAU9

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Composition/Information on Ingredients
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Ingred Name:SODIUM METASILICATE
CAS:6834-92-0
RTECS #:VV9275000
< Wt:50.
Other REC Limits:2 MG/M3 PQ CORP.

Ingred Name:DIET
HYLENE GLYCOL MONOBUTYL ETHER
CAS:112-34-5
RTECS #:KJ9100000
= Wt:1.4

Ingred Name:TRIETHANOLAMIN
CAS:102-71-6
RTECS #:KL9275000
< Wt:5.
ACGIH TLV:5 MG/M3

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Hazards Identification
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYES-SEVERE IRRITATION.
SKIN-IRRITATION POSSIBLE WITH PROLONGED CONTACT. INHALATION OF
DUST OF PRODUCT OR MIST O

F SOLUTION-IRRITATION OF RESPIRATORY

TRACT. SWALLOWING-IRRITATION OF MOUTH, THROAT & STOMACH. CHRONIC: NONE EXPECTED BEYOND ACUTE EFFECTS. CONTAINS LESS THAN 5% AMINES. THERE COULD POSSIBLY BE LIVER OR KIDNEY EFFECTS, WITH EXTENSIVE OVER EXPOSURE, BASED ON ANIMAL STUDIES OF AMINES. ADDITIONALLY, SOME PEOPLE DEVELOP SKIN SENSITIZATION TO AMINES.

Explanation of Carcinogenicity: PRODUCT OR ITS INGREDIENTS HAVE NOT BEEN IDENTIFIED AS A CARCINOGEN OR POSSIBLE CARCINOGEN BY

NTP, IARC

MONOGRAPHS, OR OSHA.

Effects of Overexposure: EYES-BURNS POSSIBLE. SKIN-BURNS POSSIBLE WITH PROLONGED CONTACT. SWALLOWING-BURNS OF MOUTH, THROAT & STOMACH. STOMACH UPSET.

Medical Cond Aggravated by Exposure: DERMATITIS AND SIMILAR SKIN DISORDERS.

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

First Aid: EYE-IMMEDIATELY FLUSH WITH WATER FOR 15 MINS HOLDING LIDS APART. REMOVE CONTACT LENSES IF PRESENT & CONTINUE FLUSHING FOR 15 MINS. GET MED

ICAL AID. SKIN-IMMEDIATELY FLUSH WITH WATER FOR 15 MINS. REMOVE CONTAMINATED CLOTHING. IF IRRITATION OR BURN DEVELOPS & PERSISTS, GET MEDICAL ADVICE OR AID. INHALED-REMOVE TO FRESH AIR. IMMEDIATELY CALL FOR MEDICAL ADVICE OR AID IF BREATHING DIFFICULTY OR IRRITATION IS SEVERE OR CONTINUES. INGESTION-RINSE MOUTH WITH WATER. DRINK WATER, MILK OR OTHER FLUIDS TO DILUTE. DO NOT INDUCE VOMITING UNLESS DIRECTED BY MEDICAL PERSON. CALL FOR MEDICAL ADVICE.

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

Flash Point: NONE

Autoignition Temp: Autoignition Temp Text: NP

Lower Limits: NA

Upper Limits: NA

Extinguishing Media: AS NEEDED FOR SURROUNDING FIRE.

Fire Fighting Procedures: FOR ANY CHEMICAL FIRE WEAR SELF-CONTAINED BREATHING APPARATUS, AND PROTECTIVE CLOTHING TO PREVENT CONTACT.

Unusual Fire/Explosion Hazard: NONE.

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

Spill Release Procedures: SMALL SPILLS, LESS THAN 2 POUNDS:

RECOVER AS

PRACTICAL. FLUSH SPILL AREA TO DRAIN WITH EXCESS WATER. "SEE OTHER INFORMATION"

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

Handling and Storage Precautions:HANDLING: AVOID UNNECESSARY CONTACT W/PRODUCT. AVOID BREATH PRODUCT DUST/MISTS OF SOLUTION OF PRODUCT. WASH IMMEDIATELY AFTER CONTACT. WASH AFTER USE. CLEANUP SPILLS PROMPTLY TO PREVENT ACCIDENTAL CONTACT. PREVENT CONTACT WITH INCOMPATIBLE MATERIALS.

Other Precautions:STORAG: KEE

P CONTAINERS TIGHTLY CLOSED.KEEP PRODUCT

DRY TO PREVENT CAKING. **HAZARD IDENTIFICATION: HEALTH--2, FIRE--0, INSTABILITY--0, OTHER--X. HAZARD SIGNAL (SHORT TERM CONTACT OR INHALATION ONLY): HEALTH-2, FIRE-0, INSTABILITY-0, OTHER-X. (0=INSIGNIFICANT; 1=SLIGHT; 2=MODERATE; 3=HIGH; 4=EXTREME).

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

Respiratory Protection:NONE NORMALLY REQUIRED. WEAR NIOSH/MSHA APPROVED RESPIRATOR WHERE CONDITIONS MAY CAUSE EXPOSURE LIMITS TO BE

EXCEEDED FROM DUST OF PRODUCT OR MISTS OF SOLUTIONS.

Ventilation:GENERAL OR LOCAL TO AVOID EXPOSURE TO DUST OR MISTS OF SOLUTIONS.

Protective Gloves:CHEMICAL RESISTANT IMPERMEABLE GLOVES AS NEEDED TO PREVENT EXCESSIVE CONTACT.

Eye Protection:GLASSES, GOGGLES, FACE SHIELD TO PREVENT EYE EXPOSURE

Other Protective Equipment:FULL BODY COVERING COVERING AND SHOES AS NEEDED TO PREVENT EXCESSIVE CONTACT. EYE WASH STATION IN WORK AREA.

Work Hygienic Practices:WASH CONTAMINATED CLOTHING BEFORE REUSE. WASH AFTER CONTACT. WASH AFTER USE.

Supplemental Safety and Health

PRODUCT DESCRIPTION: FREE FLOWING WHITE POWDER. CHEMICAL FAMILY: ALKALINE DETERGENT. *PH:12+/-0.5 (2% SOLUTION).

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

HCC:B3

Boiling Pt:B.P. Text:N.E.

Vapor Pres:N.E.

Vapor Density:N.E.

Volatile Org Content %:1

Spec Gravity:N.E.

pH:12+/-0.5

Viscosity:NP

Evaporation Rate & Reference:NA

Solubility in Water:COMPLETE

Appearance

ance and Odor:FREE FLOWING WHITE POWDER (ALKALINE DETERGENT)
Percent Volatiles by Volume: