

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

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

Product ID:C & H 14EX SPRAY DETERGENT

MSDS Date:12/08/1998

FSC:6850

NIIN:01-415-7686

Status Code:A

MSDS Number: CJSMV

=== 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:SP0450-99-M-C843

CAGE:0ZAU9

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

Ingred Name:SODIUM METASILICATE

CAS:6834-92-0

RTECS #:VV9275000

&lt; Wt:50.

Other REC Limits:2 MG/M3 (PQ CORP)

Ingred Name:DIETHYLENE GLYCOL BUTYL ETHER

CAS:112-34-5

RTEC

S #:KJ9100000

= Wt:1.4

Ingred Name:TRIEETHANOLAMINE

CAS:102-71-6

RTECS #:KL9275000

&lt; Wt:1.

ACGIH TLV:5 MG/M3

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

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

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

Health Hazards Acute and Chronic:EYES - SEVERE IRRITATION, OR BURNS  
POSSIBLE. SKIN - IRRITATION, OR BURNS POSSIBLE WITH PROLONGED  
CONTACT.INHALATION OF DUST OF PRODUCT OR MIST OF SOLUTION -  
IRRIT

ATION OF RESPIRATORY TRACT. SWALLOWING - IRRITATION OR BURNS  
OF MOUTH, THROAT AND STOMACH. STOMACH UPSET. CHRONIC: NONE EXPECTED  
BEYOND ACUTE EFFECTS. CONTAINS LESS THAN 5% AMINES. THERE COULD  
POSSIBLY BE LIVER OR KIDNEY EFFECTS WITH EXTE NSIVE OVER EXPOSURE,  
BASED ON ANIMAL STUDIES OF AMINES. ADDITIONALLY, SOME PEOPLE  
DEVELOPE SKIN SENSITIZATION.

Explanation of Carcinogenicity:THIS PRODUCT OR ITS INGREDIENTS HAVE NOT  
NEEN IDENTIFIED AS A CARCINOGEN OR PROBABLE CARCINO  
G  
EN BY NTP,  
IARC OR OSHA.

Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.

Medical Cond Aggravated by Exposure:DERMATITIS & SIMILAR SKIN DIORDERS.

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

First Aid:EYES-IMMEDIATELY FLUSH WITH COOL RUNNING WATER HOLDING EYE  
LIDS APART. REMOVE CONTACT LENSES IF PRESENT, CONTINUE FLUSHING FOR  
15 MIN. GET MEDICAL ASSISTANCE. SKIN-IMMEDIATELY FLUSH WITH COOL  
RUNNING WATER FOR 15 MIN. REMOVE CONTAMINATED CLOTHING ;

WASH

BEFORE REUSE. IF IRRITATION OR BURN DEVELOP & PRESISTS, GET MEDICAL  
ADVICE OR ASSISTANCE. INHALED-REMOVE TO FRESH AIR. IMMEDIATELY CALL  
FOR MEDICA L ADVICE OR ASSISTANCE IF BREATHING DIFFI-CULTY OR  
IRRITATION IS SEVERE OR CONTINUES. SWALLOWED-RINSE MOUTH WITH LARGE  
AMOUNTS OF WATER. DRINK WATER, MILK OR OTHER FLUIDS TO DILUTE.DO  
NOT INDUCE VOMIT ING UNLESS DIRECTED

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

Extinguishing Media:AS NEEDED FO

R 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 .

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

Spill Release Procedures:SMALL SPILLS, LESS THAN 2 POUNDS: RECOVER AS PRACTICAL. FLUSH SPILL AREA TO DRAIN WITH EXCESS WATER. LARGE SPILLS: ONLY KNOWLEDGEABLE AND PROPERLY PROTECTED PEOPLE SHOULD WORK WITH A LARGE SPILL. GET PROFESSIONAL ASSISTANCE IF NECESSARY.  
STOP SOURCE OF DIS-CHARGE IF SAFE TO DO SO. EVACUATE UNPROTECTED PERSONNEL FROM THE IMMEDIATE AREA. KEEP MATERIAL DRY. CONTAIN SPILLED MATERIAL

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID UNNECESSARY CONTACT WITH PRODUCT. AVOID BREATHING PRODUCT DUST, OR MISTS OF SOLUTION OF PRODUCT. WASH IMMEDIATELY AFTER CONTACT. WASH AFTER USE. CLEAN UP SPILLS PROMPTLY TO PREVENT ACCIDENTAL CONTACT. PREVENT CONTACT WITH INCOMPATBLE MATERIALS; SEE SECTION 10.

Other Precautions:KEEP CONTAINERS TIGHTLY CLOSED. KEEP PRODUCT DRY TO PREVENT CAKING.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA APPROVED RESPIRATOR WHERE CONDITIONS MAY CAUSE EXPOSURE LIMITS TO BE EXCEEDED FROM DUST OF PRODUCT OR MISTS OF SULUTIONS.

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

Protective Gloves:CHEMICAL RESISTANT, IMPERMEABLE.

Eye Protection:GLASSES, GOGGLES, OR FACE SHIELD.

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

Work Hygienic Practices:WASH IMMEDIATELY AFTER CONTACT. WASH AFTER USE.

Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

===== Physical/Chem

ical Properties =====

HCC:B3

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

Vapor Pres:N.E.

Vapor Density:N.E.

Spec Gravity:N.E.

pH:12 + .5

Evaporation Rate & Reference:N.A

Solubility in Water:COMPLETE

Appearance and Odor:FREE FLOWING WHITE POWDER.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS, STRONG ACIDS.

Stability Condition to Avoid:CONTACT WITH INCOMPATIBLE MATERIALS

Hazardous Decomposition Products:OXID

ES OF CARBON AND NITROGEN.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:NONE SPECIFIED BY MANUFACTURER.

===== Ecological Information =====

Ecological:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:PRODUCT AND UN-NEUTRALIZED SOLUTIONS ARE  
ALKALINE. NORMALLY SEWER DISPOSABLE IN DILU

TE SOLUTIONS. CHECK WITH

LOCAL AUTHORITIES ABOUT ANY POSSIBLE RESTRICTIONS.

===== MSDS Transport Information =====

Transport Information:NONE SPECIFIED BY MANUFACTURER.

===== Regulatory Information =====

SARA Title III Information:DIETHYLENE GLYCOL BUTYL ETHER IS LISTED IN  
INGREDIENTS SUBJECT TO THE REPPORTING REQUIREMENTS OF SECTION 313  
OF EPCRA.

Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

State

Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

===== Other Information =====

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.