

EMERSON AND CUMING,INC, A GRACE CO -- ECCOFOAM FPH -- 5970-00-768-0527

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

Product ID:ECCOFOAM FPH

MSDS Date:01/30/1989

FSC:5970

NIIN:00-768-0527

Kit Part:Y

MSDS Number: BVFXT

=== Responsible Party ===

Company Name:EMERSON AND CUMING,INC, A GRACE CO

Address:77 DRAGON COURT

City:WOBURN

State:MA

ZIP:01888

Country:US

Info Phone Num:617-828-3300

Emergency Phone Num:617-9

35-4850, 417-938-8630

Preparer's Name:DAVID HAAS

CAGE:OB562

=== Contractor Identification ===

Company Name:DEANCO INC

Address:7933 QUEENAIR DR

Box:City:GAITHERSBURG

State:MD

ZIP:20879-4137

Country:US

Phone:301-948-5444

CAGE:9K946

Company Name:EMERSON & CUMING

Address:55 HAYDEN AVE

Box:City:LEXINGTON

State:MA

ZIP:02173

Country:US

Phone:617-861-6600

CAGE:0B562

Company Name:EMERSON AND CUMING, INC,

Address:77 DRAGON CT.

City:WOBURN

State:MA

ZIP:01888-5000

Country:US

Phone:617-935-4850/617-938-8630

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

Ingred Name:TOLUENE-2,4-DIISOCYANATE (TDI) (SARA III)

CAS:584-84-9

RTECS #:CZ6300000

Fraction by Wt: 25-35%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.005 PPM/0.02 STEL

ACGIH TLV:0.005 PPM 9394

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:TOLUENE-DIISOCYANATE-BASED PREPOLYMER

Fraction by Wt: 65-75%

Other REC Limits:NONE RECOMMENDED

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

L

D50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.

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

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

Health Hazards Acute and Chronic:ACUTE: EYES: SEVERE IRRITATION ON

CONTACT. SKIN: IRRITATION. SKIN SENSITIZATION ON PROLONGED

EXPOSURE. INHALATION: IRRITATION, NAUSEA. PROLONGED BREATHING MAY

CAUSE ASTHMA, PULMONARY SENSITIZATION. INGESTION: HARMFUL IF

SWALLOWED. CHRONIC:TOLUENE DIISOCYANATE MAY CAUSE DECREASED

PULMONAR

Y FUNCTION AND FIBROSIS.

Explanation of Carcinogenicity:TOLUENE DIISOCYANATE IS LISTED BY NTP AS

REASONABLY ANTICIPATED TO BE CARCINOGEN AND IARC AS POSSIBLY

CACINOGENIC.

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION,

SENSITIZATION. INHALATION: IRRITATION, NAUSEA, ASTHMA, PULMONARY

SENSITIZATION, DECREASED PULMONARY FUNCTION, FIBROSIS. INGESTION:

HARMFUL IF SWALLOWED.

Medical Cond Aggravated by Exposure:PREEXISTING RESPIRATORY AND SKIN

DISORDERS MAY BE AGGRAV

tion:USE ADEQUATE MECHANICAL VENTILATION. FLEXIBLE DUCTWORK SHOULD EXTEND TO AREAS OF HIGH CONCENTRATIONS TO PREVENT BUILDUP.
Protective Gloves:WEAR GLOVES TO MINIMIZE EXPOSURE.
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.
Other Protective Equipment:WEAR PROTECTIVE CLOTHING TO MINIMIZE SKIN EXPOSURE.
Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
NONE

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

HCC:N1
Boiling Pt:B.P. Text:484F,251C
Vapor Pres:1 (AIR=1)
Spec Gravity:1.30
Solubility in Water:REACTS WITH WATER
Appearance and Odor:RED LIQUID.

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS, WATER, ALCOHOLS, POWDERED METALS, OR METAL OXIDES.
Stability Condition to Avoid:AVOID STORAGE IN OPEN CONTAINER, EXPOSURE TO HEAT, OPEN FLAME, MIXING OR EXPOSURE WITH INCOMPATIBLE SUBSTANCES.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, OXIDES IF NITROGEN, TRACES OF CYANIDES.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF SPILLED MATERIAL AND WATER RINSES AS CHEMICAL WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):
This i

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.