

EXPANDED RUBBER AND PLASTIC CORP -- STA-FOAM 302F, PART B. -- 9330-01-208-0985

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

Product ID:STA-FOAM 302F, PART B.

MSDS Date:06/01/1990

FSC:9330

NIIN:01-208-0985

Kit Part:Y

MSDS Number: BHRKK

=== Responsible Party ===

Company Name:EXPANDED RUBBER AND PLASTIC CORP

Address:14000 S WESTERN AVE

City:GARDENA

State:CA

ZIP:90249-3008

Country:US

Emergency Phone Num:213-324

-6692 OR 213-321-4260

CAGE:25598

=== Contractor Identification ===

Company Name:EXPANDED RUBBER AND PLASTIC CORP

Address:14000 S WESTERN AVE

Box:City:GARDENA

State:CA

ZIP:90249-3008

Country:US

Phone:310-321-4260

CAGE:25598

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

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

CAS:584-84-9

RTECS #:CZ6300000

Fraction by Wt: 47.5%

OSHA PEL:C,0.02 PPM/0.02 STEL

ACGIH TLV:0.005PPM/0.02STEL;93

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 L

BS

Ingred Name:POLYESTER POLYOL
Fraction by Wt: >10%
Other REC Limits:NONE ESTABLISHED
OSHA PEL:NONE ESTABLISHED
ACGIH TLV:NONE ESTABLISHED

Ingred Name:CHLORINATED PHOSPHATES
Fraction by Wt: >10%
Other REC Limits:NONE ESTABLISHED
OSHA PEL:NONE ESTABLISHED
ACGIH TLV:NONE ESTABLISHED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chron
ic:VAPORS INHALATION MAY CAUSE SEVERE
IRRITATION OF RESPIRATORY TRACT. PROLONGED EXPOSURE MAY CAUSE
PULMONARY EDEMA, CHRONIC LUNG IMPAIRMENT. LIQUID CONTACT CAUSES
SERIOUS SKIN AND EYE BURNS.
Explanation of Carcinogenicity:TOLUENE DIISOCYANATE MAY REASONABLY BE
ANTICIPATED TO BE CARCINOGENIC.
Effects of Overexposure:DIFFICULT, LABORED BREATHING, ASTHMA-LIKE
ATTACKS IN SENSITIVE PERSONS, SEVERE IRRITATION OF SKIN, EYE
DAMAGE, OR TDI SENSITIZATION.
Medical Cond Aggravated b
y Exposure:RESPIRATORY, BRONCHIAL CONDITIONS,
SKIN SENSITIVITY.

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

First Aid:EYE:FLUSH WITH WATER FOR 15 MINUTES, GET MEDICAL ATTENTION;
SKIN:WASH WITH PLENTY OF SOAP & WATER. REMOVE CONTAMINATED
CLOTHING; INGEST:GIVE PLENTY OF WATER. DO NOT INDUCE VOMITING. GET
MEDICAL ATTENTION; INHALE:MOVE TO FRESH AIR. GIVE OXYGEN IF
NECESSARY. GET MEDICAL ATTENTION.

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

=====

Flash Point Method:PMCC
Flash Point:260F/126.7C
Lower Limits:0.9
Upper Limits:9.5
Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.
Fire Fighting Procedures:FIRE FIGHTERS MUST WEAR SELF-CONTAINED
BREATHING APPARATUS AND TURNOUT GEAR.
Unusual Fire/Explosion Hazard:OXIDES OF CARBON, NITROGEN AND
PHOSPHOROUS. ISOCYANATE VAPORS HCN, HCL WILL BE GENERATED.

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

Spill Release Procedures:CLEAN UP CREW M
UST WEAR FULL PROTECTIVE
EQUIPMENT. ABSORB MATERIAL WITH SAWDUST OR SWEEPING COMPOUND.
DECONTAMINATE WITH MIXTURE OF 90% WATER, 8% CONCENTRATED AMMONIA, &
2% DETERGNET. SHOVEL IT INTO O PEN TOP DRUMS & REMOVE TO WELL
VENTILATED AREAS.

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

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN
DRY COOL PLACES AT TEMPERATURES BETWEEN 70-90F.
Other Precautions:THIS PRODUCT REACTS WITH WATER & OTHER
SUBSTANCES
GENERATING CO*2 GAS WILL CAUSE SEALED CONTAINERS TO EXPAND &
POSSIBLY RUPTURE. DO NOT RESEAL CONTAINERS IF CONTAMINATION IS
SUSPECTED. BREATHING IN VA POR OR MATERIAL CAN BE DANGEROUS.

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

Respiratory Protection:USE SELF-CONTAINED BREATHING APPARATUS, GAS
MASKS EQUIPPED WITH ORGANIC CARTRIDGES, MASKS WITH EXTERNAL AIR
SOURCES.
Ventilation:USE MECHANICAL VENTILATION WITH LOCAL EXHAUST, DESIGN TO
MEET THAT TDI VAPORS ARE HEAVIER THAN AIR.
Protective Gloves:RUBBER OR PLASTICS.
Eye Protection:FITTED GOGGLES OR FACE SHIELDS.
Other Protective Equipment:COVERALLS, RESISTANT RUBBER OR PLASTICS.
Work Hygienic Practices:DO NOT EAT,DRINK, OR SMOKE IN WORKING AREAS.
KEEP CLOTHING CLEAN & EQUIPMENT CLEAN AT ALL TIMES.
Supplemental Safety and Health
KEY1:T3. THIS IS PART B OF A TWO PART KIT.

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

HCC:T3
Boiling Pt:B.P. Text:480F/

249C
Vapor Pres:0.01
Vapor Density:6
Spec Gravity:1.2
Solubility in Water:REACTS WITH WATER
Appearance and Odor:PALE YELLOW VISCOUS LIQUID. STRONG PUNGENT ODOR.

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

Stability Indicator/Materials to Avoid:YES
BASIC COMPOUNDS, CAUSTIC SODA, TERCARY AMINES, WATER.
Stability Condition to Avoid:TEMPERATURES ABOVE 104F/40C FOR EXTENDED PERIODS OF TIME.
Hazardous Decomposition Products:ISOCYANATE VAPORS, OXIDES OF CARBON, NITROGEN, AND PHOSPHOROUS, HCN, HCL.
Conditions to Avoid Polymerization:WATER AND OTHER PRODUCTS THAT REACT WITH ISOCYANATES.

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

Waste Disposal Methods:DISPOSAL OF WASTE MUST BE DONE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL ENVIRONMENTAL CONTROL REGULATIONS.

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.