

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 =

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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 LBS

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 Chronic:VAPORS INHALATION MAY CAUSE SEVERE  
IRRITATION OF RESPIRAT  
ORY 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 by Exposure:RESPIRATORY, BRONCHIAL CONDITIONS,  
SKIN SENSITIVI  
TY.

===== 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 MUST WEAR FULL PROTECTIVE EQUIPMENT. ABSORB MATERIAL WITH SAW DUST OR SWEEPING COMPOUND.

DECONTAMINATE WITH MIXTURE OF 90% WATER, 8% CONCENTRATED AMMONIA, & 2% DETERGENT. SHOVEL IT INTO OPEN 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<sub>2</sub> GAS WILL CAUSE SEALED CONTAINERS TO EXPAND & POSSIBLY RUPTURE. DO NOT RESEAL CONTAINERS IF CONTAMINATION IS SUSPECTED. BREATHING IN VAPOUR 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.

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