

TRIRAM CORP -- BITUMASTIC 50 -- 8030-00-275-8121

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

Product ID:BITUMASTIC 50  
MSDS Date:12/01/1987  
FSC:8030  
NIIN:00-275-8121  
MSDS Number: BKJHY  
=== Responsible Party ===  
Company Name:TRIRAM CORP  
City:FARMINGTON  
State:MA  
Country:US  
Emergency Phone Num:508-875-6600  
CAGE:59983

==== Contractor Identification ====

Company Name:TRIRAM CORP  
Address:721 WAVERLY ST  
Box:642  
City:FRAMINGHAM  
State:MA  
ZIP:01701-8512  
Country:US  
CAGE:59983

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

Ingred Name:COAL TAR PITCH  
CAS:8007-45-2  
RTECS #:GF8600000  
Fraction by Wt: 20%  
OSHA PEL:0.2 MG/M3  
ACGIH TLV:0.2 MG/M3

Ingred Name:CREOSOTE (SARA III)  
CAS:8001-58-9  
RTECS #:GF8615000  
Fraction by Wt: 25%  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:NAPHTHALENE (SARA III)  
CAS:91-20-3  
RTECS #:QJ0525000  
Fraction by Wt: 2%  
OSHA PEL:10 PPM/15 STEL  
ACGIH TLV:10 PPM/15 ST

EL; 9192  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:INDENE  
CAS:95-13-6  
RTECS #:NK8225000  
Fraction by Wt: 15%  
OSHA PEL:10 PPM  
ACGIH TLV:10 PPM; 9192

Ingred Name:BENZENE (SARA III)  
CAS:71-43-2  
RTECS #:CY1400000  
Fraction by Wt: 0.5%  
OSHA PEL:1PPM/5STEL;1910.1028  
ACGIH TLV:10 PPM; A2; 9192  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 2%  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150STEL;9192  
EPA  
Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:MATERIAL CAN BE ABSORBED THROUGH THE SKIN PRODUCING INTERNAL ORGAN DAMAGE & POSSIBLE DEATH. REPEATED AND/OR PROLONGED CONTACT MAY CAUSE SERIOUS SKIN DISORDERS INCLUDING CANCER. CHRONIC OVEREXPOSUR BY INHALATION MAY LEAD TO LEUKEMIA.  
A. INGESTION OF MATERIALMAY CAUSE GASTROINTESTINAL DISTURBANCES.  
Explanation of Carcinogenicity:BENZENE-IARC LISTS AS CARCIN IN HUMANS.ALSO LISTED IN NTP 3RD ANNUAL REPORT ON CARCINOGENS & IN OSHA SUBPART Z TABLE.  
Effects of Overexposure:EYE-VAPOR CAN CAUSE IRRITATION AND/OR CORNEAL CHANGES.DIRECT EYE CONTACT, IRRITATION.SKIN-CAN BE ABSORBED THROUGH TH SKIN PRODUCING INTERNAL ORGAN DAMAGE AND POSSIBLY DEATH.INHALE-OVEREXPOSURE TO VAPO R MAY RESULT IN RESPIRATORY TRACT

IRRITATION.INGESTION-GASTROINTESTINAL DISTURBANCES.

Medical Cond Aggravated by Exposure:PERSONS WITH DISEASE OF THE LIVER,  
CAN BE EFFECT GROM EXPOSURE.

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

First Aid:EYE-IMMED FLUSH W/LGE AMTS OF WATER FOR 1 MIN.SEEK MED  
AID.SKIN-WASH THOROUGHLY W/SOAP & WATER OR WATERLESS HAND  
CLEANER.MOLTEN PROD CONTACT-DO NOT REMOVE CONTAM CLOTH.FLUSH SKIN  
IMMED W/LGE AMTS OF C OLD WATER.SEEK MED AID.INHALE-REMOVE FROM  
EXP

OSURE.IFBREATH HAS STOPPED OR IS DIFFICULT,ADMIN ARTIF RESPIR OR  
OXY.SEEK MED AID.INGEST-DO NOT INDUCE VOMIT.GIVE 1 TO 2 GLASSES OF  
MILK.SEEK MED AID.

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

Flash Point Method:PMCC

Flash Point:100F-38C

Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, FOAM OR WATER SPRAY.  
WATER OR FOAM MAY CAUSE FROTHING, IF MOLTEN.

Fire Fighting Procedures:WEAR COMPLETE FIRE SERVICE PROTECTIVE  
EQUIPMENT, INCLUDING FULL-FACE MSHA/NI

OSH APPROVED SELF-CONTAIN

BREATHING APPARATUS.TOXIC VAPORS MAY BE GIVEN OFF IN FIRE.

Unusual Fire/Explosion Hazard:DURING FIRES, VAPORS/DECOMPOSITION PRODUC  
MAY BE RELEASED FORMING FLAMMABLE/EXPLOSIVE MIX IN AIR. CLOSED  
CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

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

Spill Release Procedures:STOP LEAK IF NO RISK INVOLVED. STAY UPWIND.

SMALL SPILLS: TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT  
MA

TERIAL. FLUSH AREA WITH WATER. DIKE LARGE SPILLS FOR LATER

DISPOSAL. CONTAIN RUNOFF FROM FIRE CONTROL AND DILUTION WATER.

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

Handling and Storage Precautions:STORE I/A/W OSHA 1910.106. KEEP IN  
CLOSED, LABELED CONTAINER WITHIN A COOL, DRY, VENTILATED AREA.  
PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:DO NOT USE UNTIL MANUFACTURER'S PRECAUTIONS HAVE BEEN  
READ/UNDERSTOOD. DO NOT WEAR CONTACT LENS WITHOUT PROPER E

YE  
PROTECTION.

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

Respiratory Protection:USE MSHA/NIOSH APPROVED UNITS PER CURRENT  
29CFR1910.1 & MFR'S "INSTRUCTIONS" & "WARNINGS".COMBINATION  
FILTER/ORGANIC VAPOR CARTRIDGE OR CANISTER MAY BE USED. FULL-FACE  
PIECE RESPIRATORY PROTECTIVE UNI TS REQUIRED

Ventilation:GENERAL/LOCAL EXHAUST VENTILATION IN PATTERN/VOLUME TO  
CONTROL INHALATION EXPOSURES BELOW CURRENT EXPOSURE LIMITS.

Protective Gloves:INDUSTRIAL RES  
ISTANT FLEXIBLE-TYPE

Eye Protection:INDUSTRIAL SAFETY GLASSES, MINIMUM

Other Protective Equipment:INDUSTRIAL TYPE WORK CLOTHING AND SAFETY  
FOOTWEAR DEPENDING ON WORKING CONDITIONS, I.E., CONTACT POTENTIAL,  
WEAR (SUP)

Work Hygienic Practices:WASH EXPOSED AREAS PROMPT & THOROUGH AFTER SKIN  
CONTACT & BEFORE EATING,DRINKING,USING TOBACCO PRODUCTS OR REST  
ROOMS.

Supplemental Safety and Health  
IMPERVIOUS PROTECTIVE GARMENTS SUCH AS HEAD/NECK COVER, APRONS,  
JACKETS, PANTS, COVERALLS  
, BOOTS, ETC. DO NOT TAKE INTERNALLY.

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

HCC:F4

Spec Gravity:10.7 LBS/GL

Evaporation Rate & Reference:VERY SLOW

Solubility in Water:NIL

Appearance and Odor:BLACK LIQUID WITH COAL TAR ODOR

Percent Volatiles by Volume:32

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

Stability Indicator/Materials to Avoid:YES  
OXIDIZING MATERIALS. CONTACT WITH PVC PIPE.

Stability Condition to Avoid:NONE

Hazardous Decompos

ition Products:TOXIC FUMES.

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

Waste Disposal Methods:PRODUCT IS US EPA DEFINED IGNITABLE HAZ WASTE.  
DISPOSE AS AN IGNITABLE HAZ WASTE I/A/W LOCAL, STATE & FED REGS.  
PLACE IN TIGHTLY SEALED LABELED CONTAINER THIS PRODUCT RELEASED  
INTO THE ENVIRON MUST BE REPORTED TO N (1-800-424-8802). RQ IS 100  
LBS.

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

This information is formulated for use b

y 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.