

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

Product ID:BLACK URETHANE SUB, PART B, 13911

MSDS Date:11/22/1993

FSC:8010

NIIN:01-380-3280

Kit Part:Y

MSDS Number: BWHCR

=== Responsible Party ===

Company Name:FINNAREN & HALEY, INC

Address:901 WASHINGTON STREET

City:CONSHOHOCKEN

State:PA

ZIP:19428

Country:US

Info Phone Num:215-825-1900

Emergency Phone Num:800-424-9300 (CHEMTREC)

CAGE:9V982

=== Co

Contractor Identification ===

Company Name:FINNAREN & HALEY INC

Address:901 WASHINGTON ST

Box:City:CONSHOHOCKEN

State:PA

ZIP:19428

Country:US

Phone:1-610-825-1900

CAGE:9V982

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

Ingred Name:ACETATE ESTER (VAPOR PRESSURE 0.8 MM HG @ 68F)

CAS:90438-79-2

Fraction by Wt: 5-20%

Other REC Limits:NONE RECOMMENDED

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

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

Health Hazards Acute and Chronic:EYE:SEVERE IRRIT,RED,TEAR,BLURRED VISION. SKIN:IRRIT,DEFAT,DERMATITIS. INHAL:RESP IRRIT,DIZZY,WEAK,FATIGUE,NAUSEA,HEADACHE,UNCONSCIOUS,ASPHYXIATN. PERM BRAIN & NERV SYSTEM DAMAGE. CONCENTRATING & INHA LING HARMFUL/FATAL. INGEST:GI IRRIT,NAUSEA,VOMIT,DIARRHEA,ASPIRATION INTO LUNG CAN CAUSE CHEM PNEUMONITIS-CAN BE FATAL.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNT OF WATER LIFTI NG EYELIDS

OCCASIONALLY. GET PROMPT MEDICAL ATTENTION. SKIN: WASH THOROUGHLY WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING PROMPTLY; WASH CLOTHING BEFORE REUSE. INGEST: DO NOT INDUCE VOMITING. KEEP WARM & QUIET. GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF BREATHING STOPPED, GIVE ARTIF RESPIRATION. KEEP WARM & QUIET. GET MEDICAL ATTENTION.

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

Flash Point Method:SCC

Flash Point:150F,66C

Lowe

r Limits:1.00

Upper Limits:8.00

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG. USE WATER FOR COOLING MATERIAL STORED IN VICINITY OR FIRE.

Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:>FLASHPOINT, EMITS FLAMMABLE VAPOR,MIXD W/AIR,CAN BURN/EXPLODE. VAPORS HEAVIER THAN AIR,MAY TRAVEL ALONG GROUND TO IGNITION SOURCE DISTANT FROM H ANDLING POINT.

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

Spill Release Procedures:SMALL:ABSORB LIQUID W/RAGS,FLOOR ABSORBNT,VERMIC,ETC. TRANSFER TO HOOD. LRGE: ELIMINATE IGNITION SOURCE. DIKE AREA,VENT IF INDOORS. PUMP LIQUID TO SALVAGE TANK. TAKE UP REMAINING LIQUID W/SAND,FLOOR A BSORBNT,ETC.SHOVEL INTO CNTNR. PREVENT RUN OFF \*

Neutralizing Agent:N/K \* TO SEWERS AND BODIES OF WATER. NOTIFY PROPER AUTHORITIES AS REQ'D.

=====  
===== Hand

ling and Storage =====

Handling and Storage Precautions:CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. STORE AWAY FROM HIGH TEMPERATURES, SPARKS, FLAMES. AVOID PROLONGED SKIN CONTACT.

Other Precautions:GROUND CONTAINERS WHILE POURING & LIMIT FREE FALL TO A FEW INCHES TO PREVENT STATEIC SPARKS. AVOID SPONTANEOUS COMBUSTION OF CONTAMINATED RAGS & OTHER EASILY IGNITABLE ORGANIC ACCUMULATIONS (SPRAY BOO TH RESIDUE) BY IMMEDIATE IMMERSION \*\*

=====

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

Respiratory Protection:> TLV, NIOSH/MSHA APPROVED AIR SUPPLY RESPIRATOR ADVISED. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS UNDER SPECIFIED CONDITIONS (SEE SFTY EQUIP SUPPLIER). IMPLEMENT ENGINEERING OR ADMIN ISTRATIVE CONTROLS TO REDUCE EXPOSURE.

Ventilation:PROVIDE SUFFICIENT EXPLOSION PROOF MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves:WEAR RE SISTANT GLOVES (NITRILE RUBBER)

Eye Protection:CHEM SPLASH GOGGLES ADVISED,SEE OSHA REG

Other Protective Equipment:NONE

Supplemental Safety and Health

\*\* IN WATER. EMPTIED CONTAINERS MAY RETAIN HAZARDOUS PROPERTIES. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR CONTAINER. STORE LARGE QUANTITES ONLY IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106.

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

Boiling Pt:B.P. Text:349 TO 392F

Vapor Density:> AIR

Spec Gravity:1.10324

E

vaporation Rate & Reference:SLOWER THAN ETHER

Percent Volatiles by Volume:9.8

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZERS (E.G. NITRIC ACID).

Stability Condition to Avoid:KEEP AWAY FROM HEAT & OPEN FLAME.

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE AND DIOXIDE, VARIOUS HYDROCARBON, ETC.

Conditions to Avoid Polymerization:KEEP AWAY FROM HEAT AND OPEN FLAME.

=====

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

Waste Disposal Methods:SMALL: ALLOW VOLATILE PART TO EVAPORATE IN HOOD,  
DISPOSE OF REMAINING MATERIAL IN ACCORDANCE WITH APPLICABLE  
REGULATIONS. LARGE: DESTROY BY LIQUID INCINERATION. CONTAMINATED  
ABSORBENT MAY BE DEPOSITED IN LANDFILL IN ACCORD  
W/LOCAL,STATE,FEDERAL REGS.

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.