

EXXON CO USA -- UNIVOLT N 61 -- 9160-01-327-9386

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

Product ID:UNIVOLT N 61  
MSDS Date:09/19/1987  
FSC:9160  
NIIN:01-327-9386  
MSDS Number: BLDFC  
=== Responsible Party ===  
Company Name:EXXON CO USA  
Box:2180  
City:HOUSTON  
State:TX  
ZIP:77252-2180  
Country:US  
Info Phone Num:713-656-3424  
Emergency Phone Num:713-656-3424  
CAGE:29667

=== Contractor Identification ===

Company Name:EXXON CO USA  
Address:800 BELL ST  
Box:2180  
City:HOUSTON  
State:TX  
ZIP:77252-2180  
Country:US  
Phone:713-656-6449  
CAGE:29667  
Company Name:EXXON COMPANY U.S.A.  
Address:Box:2180  
City:HOUSTON  
State:TX  
ZIP:77252-2180  
Country:US  
Phone:713-656-5949 / 713-656-3424  
CAGE:29700

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

Ingred Name:MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED LIGHT  
NAPHTHENIC  
CAS:64742-53-6  
RTECS #:PY8036000  
Fraction by Wt: > 99%  
OSHA PEL:5 MG/M3 (OIL MIS

T)  
ACGIH TLV:5 MG/M3 (OIL MIST)

Ingred Name:2,6-DI-TERT-BUTYL-P-CRESOL  
CAS:128-37-0  
RTECS #:GO7875000  
Fraction by Wt: < 0.5%  
OSHA PEL:10 MG/M3  
ACGIH TLV:10 MG/M3; 9192

Ingred Name:SUPP DATA: A LEAK. WATER SPRAY MAY BE USED TO FLUSH SPILLS  
AWAY FROM EXPOSURES. MINIMIZE BREATHING GASES (ING 4)  
RTECS #:9999999ZZ

Ingred Name:ING 3: VAP, FUMES/DECOMP PROD. USE NIOSH/MSHA APPRVD BRTHG  
EQUIP FOR ENCLOSED/CONFINED SPACES/AS OTHERWISE NEEDED.  
RTECS #:9999999ZZ

Ingred Name:SPILL PROC: AREAS. A  
SSURE CONFORMITY WITH APPLICABLE  
GOVERNMENTAL REGULATIONS.  
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC: TO OIL MIST, REMOVE FROM FURTHER EXPOSURE  
UNTIL EXCESSIVE OIL MIST CONDITION SUBSIDES.  
RTECS #:9999999ZZ

Ingred Name:VENT: LIMIT/BUILDUP OF EXPLOSIVE CONCENTRATIONS OF VAP IN  
AIR. USE EXPLOSION-PROOF EQUIP. NO SMOKING OR OPEN LIGHTS.  
RTECS #:9999999ZZ

Ingred Name:EYE PROT: MAY ADD FULL LENGTH FACE SHIELD TO GOGGLES .  
RTECS #:9999999ZZ

Ingred Name:OTHER PROT: PROLONGED OR REPEA  
TED SKIN CONTACT.  
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP: SUCH AS VACUUM DISTILLATES OR  
SYNTHETICALLY DERIVED MATLS, AND AS SUCH IS NOT CHARAC BY IARC  
CRITERIA.  
RTECS #:9999999ZZ

Ingred Name:ING 12: SKIN THORO AFTER CNTCT, BEFORE BREAKS & MEALS, & AT  
END OF WORK PERIOD. PRODUCT IS READILY REMOVED FROM (ING 13)  
RTECS #:9999999ZZ

Ingred Name:ING 123: SKIN BY WATERLESS HAND CLEANERS FOLLOWED BY  
WASHING THOROUGHLY WITH SOAP AND WATER.  
RTECS #:9999999ZZ

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= Hazards Identification =====

LD50 LC50 Mixture:LD50: (ORAL,RAT) > 5 G/KG

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

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

Health Hazards Acute and Chronic:INHAL: VAP PRESS IS VERY LOW. VAP

INHAL UNDER AMBIENT CNDTN IS NORMALLY NOT A PROBLEM. PRLNGD/RPTD

SKIN CNTCT TENDS TO REMOVE SKIN OILS POSSIBLY LEADING TO IRRIT &

DERMATITIS. EYE: MAY CAUSE IRRIT. IN GEST: PROD HAS LOW ORAL &

DERMAL TOX, BUT MINU

TE AMTS ASPIR INTO LUNGS DURING INGEST/VOMIT

MAY CAUSE (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: MILD TO SEVERE PULM INJURY & POSSIBLY

DEATH. WARNING BECAUSE THE PROD IS FORMULATED FROM BASE STOCKS

WHICH ARE SEVERELY HYDROTREATED, SEVERELY SOLVENT EXTRACTED, &/OR

PROCESSED BY MILD HYDRO TREATMENT & EXTRACTION. ALTERNATIVELY, IT

MAY CONSIST OF COMPONENTS NOT OTHERWISE AFFECTED BY IARC CRITERIA,

(ING 10)

Medical Cond Ag

gravated by Exposure:NONE RECOGNIZED

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

First Aid:EYE: FLUSH WITH CLEAR WATER FOR AT LEAST 15 MINUTES OR UNTIL

IRRITATION STOPS. IF IRRIT PERSISTS, CALL MD. SKIN: REMOVE ANY

CONTAMINATED CLOTHING & WASH SKIN THOROUGHLY WITH SOAP AND WATER.

IF OVERCOM E BY FROM HOT PRODUCT, IMMED REMOVE TO FRESH AIR, CALL

PHYSICIAN. IF BREATHING IS IRREGULAR OR HAS STOPPED, START

RESUSCITATION; GIVE O\*2, IF AVAILABLE. IF OVERE

XPOSURE (ING 6)

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

Flash Point Method:COC

Flash Point:293F,145C

Lower Limits:0.9 %

Upper Limits:7 %

Extinguishing Media:FOAM, WATER SPRAY (FOG), DRY CHEM, CO & VAPORIZING

LIQUID TYPE EXTING AGENTS MAY ALL BE SUITABLE FOR EXTING (SUPP

DATA)

Fire Fighting Procedures:USE H\*2O TO KEEP FIRE-EXPOSED CNTNR COOL.IF A

LEAK/SPILL HAS NOT IGNITED, USE H\*2O SPRAY TO DISPERSE THE VAPORS &

TO PROVIDE PROT FOR MEN ATTEMPTING (S

UPP DATA)

Unusual Fire/Explosion Hazard:SEE HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:RECOVER FREE PROD. ADD SAND/EARTH/OTHER SUITABLE ABSORB TO SPILL AREA. MINIMIZE SKIN CONTACT. KEEP PROD OUT OF SEWERS & WATERCOURSES BY DIKING/IMPOUNDING. ADVISE AUTHORITIES IF PROD HAS ENTERED/MAY EN TER SEWERS, WATERCOURCES/EXTENSIVE LAND(ING 5)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE PRODUCT WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, AND OPEN FLAME.

Other Precautions:KEEP CONTAINRS & STORAGE CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS FLAME OR STRONG OXIDANTS.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED O R ENCLOSED SPACES, IF NEEDED.

Ventilation:USE LOCAL EXHAUST TO CAPTURE VAPOR, MISTS OR FUMES, IF NEC, PROVIDE VENT SUFFICIENT TO PREVENT EXCEEDING REC EXP (ING 7)

Protective Gloves:CHEMICAL-RESISTANT GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES (ING 8)

Other Protective Equipment:USE CHEM-RESISTANT APRON/OTHER IMPERVIOUS CLTHG, IF NEEDED, TO AVOID CONTAM REGULAR CLTHG WHICH COULD RESULT IN (ING 09)

Work Hygienic Practices:MINIMIZE BRTHG VAP, MIST/FUMES. AVOID PRLNG/RPTD CNTCT W /SKIN. REMOVE CONTAM CLTHG; LAUNDER/DRY-CLEAN BEFORE (ING 11)

Supplemental Safety and Health

EXTING MEDIA: FIRES INVOLVING THIS TYPE PRODUCT, DEPENDING ON SIZE OR POTENTIAL SIZE OF FIRE AND CIRCUMSTANCES RELATED TO THE SITUATION. PLAN FIRE PROTECTION AND RESPONSE STRATEGY THROUGH CONSULTATION WITH LOCAL FIRE PROTECTION AUTHORITIESOR APPROPRIATE SPECIALISTS. FIRE FIGHT PROC: TO STOP (ING 3)

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

HCC:N1

Boiling

Pt:B.P. Text:460F,238C

Melt/Freeze Pt:M.P/F.P Text:-50F,-46C

Vapor Pres:< 0.01

Vapor Density:> 5

Spec Gravity:0.88

pH:NEUT

Evaporation Rate & Reference:< 0.01(N-BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE; < 0.1 %

Appearance and Odor:CLEAR WATER-WHITE LIQUID MILD, BLAND PETROLEUM  
ODOR.

Percent Volatiles by Volume:NEGLIG

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDANTS, LIQUID CHLORINE, CONCENTRATED O\*2, S  
ODIUM HYPOCHLORITE

OR CALCIUM HYPOCHLORITE.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:FUMES, SMOKE, CO, SULFUR OXIDES,  
ALDEHYDES AND OTHER DECOMP PROD, IN THE CASE OF COMPLETE  
COMBUSTION.

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

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL,  
STATE, AND LOCAL REGULATIONS .

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