

OCCUPATIONAL HEALTH SERVICES INC -- ACETONTRILE -- 6810-00-051-5871

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Product Identification
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Product ID:ACETONTRILE

MSDS Date:07/15/1992

FSC:6810

NIIN:00-051-5871

MSDS Number: CDZSS

=== Responsible Party ===

Company Name:OCCUPATIONAL HEALTH SERVICES INC

Address:450 7TH AVE SUITE 2407

City:NEW YORK

State:NY

ZIP:10123

Country:US

Info Phone Num:212-967-3973

Emergency Phone Num:212-967-3973

CAGE:DO501

=== Contractor Identification ===

Company Name:OCCUPATIONAL HEA & SAFETY,FORD MOTOR CO

Address:900 PARKLANE TOWERS WEST

City:DEARBORNE

State:MI

ZIP:48126

Phone:800-959-3673

CAGE:DO501

Company Name:OCCUPATIONAL HEALTH SERVICES INC

Address:11 W 42ND ST 12 THE FLOOR

City:NEW YORK

State:NY

ZIP:10036

Country:US

Phone:212-789-3535

CAGE:0G9K0

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Composition/Information on Ingredients
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Ingred Name:ACETONITRILE (SARA 313) (CERCLA)

CAS:75-05-8

RTECS #:AL7700000

Frac

tion by Wt: 100%
OSHA PEL:40 PPM
ACGIH TLV:40 PPM/60 STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SUPDAT:IS INVOLVED IN FIRE. EXTING ONLY IF FLOW CAN BE STOPPED. USE FLOODING AMTS OF WATER AS FOG; SOLID STREAMS(ING 3)
RTECS #:9999999ZZ

Ingred Name:ING 2:MAY BE INEFTIVE. COOL CNTNRS W/FLOODING AMTS OF WATER FROM AS FAR DISTANCE AS POSS. AVOID BRTHG POIS VAPS. (ING 4)
RTECS #:9999999ZZ

Ingred Name:ING 3:IF FIRE IS UNCONTROLLABLE/CNTNRS EXPOS TO DIRECT FLAME, EVAC FOR RADIUS OF 1500 FEET. CONSIDER EVAC OF (ING 5)
RTECS #:9999999ZZ

Ingred Name:ING 4:DOWNWIND AREA IF MATL IS LEAKING.
RTECS #:9999999ZZ

Ingred Name:EFTS OF OVEREXP:FETAL AXIAL SKELETAL DISORDERS & MATERNAL TOX & MORTALITY. SKIN:MAY CAUSE IRRIT. SKIN ABSORP MAY(ING 7)
RTECS #:9999999ZZ

Ingred Name:ING 6:OCCUR RSLTG IN SYSTEMIC TOX AS DETAILED IN ACUTE INHAL. EYE:VAPS & LIQ MAY CAUSE IRRIT & TEARING. APPLIC OF(ING 8)
RTECS #:9999999ZZ

Ingred Name:ING 7:DROP TO RABBIT EYES CAUSED SUPERFICIAL REVERSIBLE DMG; GRADED 5 ON SCALE OF 1-10 AFTER 24HRS. INGEST:INGEST(ING 9)
RTECS #:9999999ZZ

Ingred Name:ING 8:OF SUFFICIENT AMTS MAY CAUSE SYSTEMIC TOX AS DETAILED IN ACUTE INHAL. ACUTE ORAL DOSES TO RATS PRDCED (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9:LABORED BRTHG, ATAXIA, CYANOSIS, & COMA. REPROD EFTS HAVE BEEN RPTD IN ANIMALS. CHRONIC:INHAL:WORKERS (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10:EXPOS 2 DAYS TO VAPS CNTNG 30-40% ACETONITRILE EXHIBITED SYMPS DETAILED

IN ACUTE INHAL. OTHER SYMPS MAY (ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11:INCL ANOREXIA, PROFUSE SWEAT, HYPERSALIVATION,
RIGIDITY AUTOPSIES REVEALED GENERALIZED VASCULAR (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 12:CONGESTION. RPTD EXPOS OF ANIMALS TO VAPS CAUSED
PULM INFLAMM, LIVER & BLOOD CHANGES, CEREBRAL HEMORR, (ING 14)
RTECS #:9999999ZZ

Ingred Name:ING 13:FOCAL EMPHYSEMA, & PROLIFERATION OF ALVEOLAR SEPTA.
SKIN:RPTD/PRLNGD EXPOS MAY CAUSE DERM. EYE:RPTD/ (ING 15)
RTECS
#:9999999ZZ

Ingred Name:ING 14:PRLNGD EXPOS TO IRRITANTS MAY CAUSE CONJ.
INGEST:ORAL ADMIN OF 275 MG/KG TO HAMSTERS ON DAYS 6-19 OF (ING 16)
RTECS #:9999999ZZ

Ingred Name:ING 15:GESTATION CAUSED SOME MATERNAL DEATHS, REDUCED BODY
WT IN DAMS, EARLY ABSORPS, & POSTIMPLANTATION LOSSES.
RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:UPPER & LOWER LIDS, UNTIL NO EVID OF CHEM
REMAINS @ LST 15 MINS. GET MED ATTN IMMED. INGEST:IF (ING 18)
RTECS #:9999999ZZ

Ingred Name:ING 17:PATIENT IS AS
SYMPTOMATIC ADMIN SYRUP OF IPECAC &/OR
PERFORM GASTRIC LAVAGE, USING TAP WATER, DILUTE SODIUM(ING 19)
RTECS #:9999999ZZ

Ingred Name:ING 18:BICARBONATE SOLN/IF AVAIL, DILUTE POTASSIUM
PERMANGANATE SOLN(1:5000). ACTIVATED CHARCOAL IS INEFTIVE. IF(ING
20)
RTECS #:9999999ZZ

Ingred Name:ING 19:BRTHG HAS STOPPED, GIVE ARTF RESP. MAINTIN AIRWAY.
OXYG THERAPY MAY BE OF VALUE IN COMBINATION W/ANTIDOTE(ING 21)
RTECS #:9999999ZZ
Other REC Limits:N/KNONE RECOMMENDED

Ingred Name:ING 20:(GOS

SELIN, CLINICAL TOX OF COMMERCIAL PRODS, 5TH
ED.). TREATMENT SHOULD BE PERFORMED BY QUALIFIED MED (ING 22)
RTECS #:9999999ZZ

Ingred Name:ING 21:PERS. GET MED ATTN IMMED. ANTIDOTE & CYANIDE
POISONING: CONTACT NEHC FOR MORE SPECIFIC INFORMATION .
RTECS #:9999999ZZ

Ingred Name:SPILL PROC:FOR LATER DISP. NO SMKNG, FLAMES/FLARES IN HAZ
AREA! KEEP UNNEC PEOPLE AWAY, ISOLATE HAZ AREA & DENY ENTRY.
RTECS #:9999999ZZ

Ingred Name:OTHER PREC:PRACT ON STATIC ELEC. PROT AGAINST PHYSICAL DMG.
OUTSIDE/DETACHED STOR IS PEF. INSIDE STOR SHOULD BE(ING 25)
RTECS #:9999999ZZ

Ingred Name:ING 24:IN STD FLAMM LIQS STORAGE ROOM. SEPARATE FROM
OXIDIZING MATLS.(NFPA 49, HAZ CHEMS DATA, 1975).
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50:(ORAL,RAT) 2730 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:INHAL:500 PPM FO
R SHORT DURATION

MAY CAUSE IRRIT OF NOSE & THROAT. HUMANS EXPOS TO 160 PPM FOR 4HRS
EXPERIENCED DELAYED SYMPS OF SLIGHT FLUSHING OF FACE & SLIGHT
BRONCH TIGHTNESS. BURNING SENSATION, WHEEZING & LARYNGITIS MAY
ALSO OCCUR. EXPOS TO HIGH CONCS MAY CAUSE DELAYED COUGH W/BLOODY
SPUTUM,(EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ:NAUS, VOMIT OF BLOOD/BILE-LIKE
SUBSTANCE, CHEST/ABDOM PAIN, HDCH, DIZZ, DYSPNEA/TACHYPNEA, LOW

BLOOD PRESS, RAPID PULSE, SHOCK, RESP DEPRESS, WEAK, PARALYSIS,
CONFUSN, DELIRIUM, CONVLS, UNCON , COMA, & DEATH DUE TO CNS
DEPRESS. EXPOS OF PREGNANT HAMSTERS TO 5000-8000 PPM ON 8TH DAY OF
GESTATION RSLTD IN (ING 6)

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL:REMOVE TO FRESH AIR IMMED. IF BRTHG HAS STOPPED,
PERFORM ARTF RESP. KEEP PERSON WARM & @ REST. TREAT SYMPTOMAT

ICALLY

& SUPPORTIVELY. GET MED ATTN IMMED. SKIN:REMOVE CONTAMD CLTHG & SHOES IMMED. WASH AFFECTED AREA W/SOAP/MILD DETERGENT & LG AMTS OF WATER UNTIL NO EVID OF CHEM REMAINS (15-20 MINS). GET MED ATTN IMMED. EYE:WASH IMMED W/LG AMTS OF WATER/NORM SALINE, OCCASNLY LIFTING (ING 17)

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

Flash Point Method:OC

Flash Point:42.0F,5.6C

Lower Limits:3%

Upper Limits:16%

Extinguishing Media:DRY CHEM, CARBON DIOXIDE, WATER SPRY/ALCOHOL-RESIST

FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG/ALCOHOL-RESIST FOAM.

Fire Fighting Procedures:NIOSH APPRVD SCBA & FULL PROT EQUIP. MOVE CNTNR FROM FIRE AREA IF CAN BE DONE W/OUT RISK. DIKE FIRE-CTL WATER FOR LATER DISP; DO NOT SCATTER MATL.(SUPDAT)

Unusual Fire/Explosion Hazard:DANGEROUS FIRE HAZ WHEN EXPOS TO HEAT/FLAME. VAP-AIR MIX ARE EXPLOSIVE. VAPS ARE HVR/AIR & MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNIT & FLASH BACK.

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

Spill Release Procedures:SHUT OFF IGNIT SOURCES. DO NOT TOUCH SPILLED MATL. STOP LEAK IF CAN BE DONE W/OUT RISK. USE WATER SPRAY TO REDUCE VAPS. SM SPILLS, TAKE UP W/SAND/OTHER ABSORB MATL & PLACE INTO CNTNRS FOR LATER DISP. LARGER SPILLS, DIKE FAR AHEAD OF SPILL (ING 23)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID CONTACT W/HEAT, SPKS, FLAMES/OTHER

IGNIT SOURCES. VAPS MAY BE EXPLO. MATL IS POIS; AVOID INHAL OF VAPS/CONT W/SKIN.

Other Precautions:DO NOT ALLOW MATL TO CONTAM WATER SOURCES. SUBSTANCES W/LOW ELECTROCONDUCTIVITY, WHICH MAY BE IGNITED BY ELECTROSTATIC SPKS, SHOULD BE STORED IN CNTNRS & WHICH MEET BONDING & GROUNDING GUIDELINES SPEC IFIED IN NFPA 77-1983, REC (ING 24)

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

Respiratory Protection:USE NIOSH APPRVD RESPS

. 200PPM-ANY CHEM

CARTRIDGE RESP W/ORG VAP CARTRIDGE(S). ANY SUPPLIED-AIR RESP. ANY SCBA. 500PPM-ANY SUPPLIED-AIR RESP OPERATED IN CONTINUOUS FLOW MODE. FOR MORE RESPIRATORY PROT INFORMATION CONT NEHC .

Ventilation:PROVIDE LOC EXHAUST VENT TO MEET PUBLISHED EXPOSURE LIMITS. VENT EQUIP MUST BE EXPLOSION-PROOF.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:ANSI APPRVD EYE WASH & DELUGE SHOWER . WEAR APPROP IM

PERVIOUS CLTHG & EQUIP TO PVNT RPTD/PRLNGD SKIN CONTACT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC:APPLY COOLING WATER TO SIDES OF CNTNRS THAT ARE EXPOS TO FLAMES UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS. WITHDRAW IMMED IN CASE OF RISING SOUND FROM VENTING SFTY DEV ICE/ANY DISCOLORATION OF TANK DUE TO FIRE. ISOLATE FOR 1/2 MILE IN ALL DIRECTIONS IF TANK, RAIL CAR/TANK TRUCK (ING 2)

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Physical/Chemical Properties =====

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:-51F,-46C

Vapor Pres:73 @ 20C

Vapor Density:1.42

Spec Gravity:0.7857

Evaporation Rate & Reference:5.79 (BUTYL ACETATE =1)

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS LIQUID WITH SWEET, ETHER-LIKE ODOR.

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

Stability Indicator/Materials to Avoid:YES

DINITROGEN TETRAOXIDE & INDIUM(CATALYST), NITRIC ACID(FUMI NG),

OXIDIZERS(STRONG). CONT NEHC FOR MORE INFO .

Stability Condition to Avoid:STABLE UNDER NORMAL TEMPERATURES & PRESSURES.

Hazardous Decomposition Products:THERM DECOMP PRODS MAY INCL HIGHLY TOX FUMES OF HYDROGEN CYANIDE & TOX OXIDES OF CARBON & NITROGEN.

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

Waste Disposal Methods:OBSERVE ALL FED, ST & LOC REGS WHEN

STORING/DISPOSING. FOR ASSISTANCE, CONT DISTRICT DIRECTOR OF ENVIR PROT AGENCY. DISP MUST BE

I/A/W STDS APPLIC TO GENERATORS OF HAZ
WASTE, 40CFR 262 EPA HAZ WASTE N O:U003. STORE I/A/W 29 CFR
1910.106.

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