

BAXTER HEALTHCARE CORP -- ACETONITRILE, 015-1 -- 6810-01-112-0924

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Product Identification
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Product ID:ACETONITRILE, 015-1

MSDS Date:07/01/1989

FSC:6810

NIIN:01-112-0924

MSDS Number: BRQGP

=== Responsible Party ===

Company Name:BAXTER HEALTHCARE CORP

Address:1953 SOUTH HARVEY STREET

City:MUSKEGON

State:MI

ZIP:49442

Country:US

Info Phone Num:616-726-3171

Emergency Phone Num:616-726-3171;8

00-424-9300(CHEMTREC)

CAGE:BAXTE

=== Contractor Identification ===

Company Name:BAXTER HEALTHCARE CORP/PHARMASEAL DIVISION

Address:808 HIGHWAY 24 WEST

City:MOBERLY

State:MO

ZIP:65270

Country:US

Phone:6161-726-3171

CAGE:BAXTE

Company Name:HONEYWELL, BURDICK AND JACKSON

Address:1953 S HARVEY STREET

Box:City:MUSKEGON

State:MI

ZIP:49442-6101

Country:US

Phone:800-368-0050/800-707-4555

CAGE:2H215

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Composition/Information on Ingredients
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Ingred Name:ACETONITRILE (SARA II

l)
CAS:75-05-8
RTECS #:AL7700000
Fraction by Wt: 100%
OSHA PEL:40 PPM; 60 STEL
ACGIH TLV:40 PPM; 60 STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Inged Name:SUPP DATA: PERSON. NOTE TO MD: MAX ACUTE EFTS MAY BE DELAYED SEVERAL HOURS. ANY EXPOS PERSON SHLD BE KEPT (SUPP DATA)

Inged Name:ING 2: UNDER SURVEILLANCE. FOR SEVERE EXPOSURE, TREAT AS CYANIDE POISONING.

Inged Name:HNDLG/STOR: & THEIR HAZS & PTNTL CHEM INCOMPATIBILITY. IN GENRL, ACETONITRILE SHLD BE STOR IN AN ACCEPT PROT (ING 5)

Inged Name:ING 4: & SECURE FLAMMABLE LIQUID STORAGE ROOM.

Inged Name:VENT: EQUIPMENT, EITHER LOCAL/GENERAL, WILL DEPEND ON CONDITIONS OF USE, QUANTITY OF MATL & OTHER OPERATING PARAMETERS.

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:INHAL: EXPOS CAN CAUSE HDCH, W EAK,

NAUS, REDUCED PULSE RATE & BLOOD PRESS, PALE/ASHEN SKIN, SUBNORMAL TEMPS, SHALLOW RESP, CONVULSION, COLLAPSE & DEATH AT HIGH CONC.

EYE: LIQ & HIGH VAP CONC CAN CAUSE IRRIT. SKIN: CAN CAUSE IRRIT & SAME SYSTEMIC SYMPTOMS AS INHAL. INGEST: INGESTING >2 OUNCES OF (EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:HLTH HAZ: ACETONITRILE CAN HAVE AN ADVERSE EFT ON CNS. ACETONITRILE IS IRRIT & CHEM ASPHYX. ACUTE EXPOS THRU INHAL, ING

EST/SKIN ABSORP CAUSES DIZZ, HDCH, VOMIT, DROW, CHEST PAIN, UNCON, SHOCK & DEATH. SEVERAL HOURS MAY ELAPSE BETWEEN EXPOS& INITIATION OF SYMPS DUE TO SLOW RELEASE OF CYANIDE. CHRONIC EXPOS (SUPP DATA)

Medical Cond Aggravated by Exposure:PRECLUDE FROM EXPOSURE THOSE INDIVIDUALS WITH DISEASES OF LIVER, KIDNEYS, SKIN AND CENTRAL NERVOUS SYSTEM.

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

First Aid:INHAL: IMMED REMOVE TO FRESH AIR. IF NOT BRTHG, ADMIN

MOUTH-TO-MOUTH RESCUE BRTHG. IF THERE IS NO PULSE ADMIN CARDIOPULM RESUS(CPR). CONT MD IMMED. USE AMYL NITRITE AMPULES FOR 30 SECONDS IN CASES OF SEVERE EXPOS & POSS CYANIDE POISONING. EYE: RINSE W/COPIOUS AMTS OF WATER FOR AT LEAST 15 MINS. GET EMER MED ASSIST. SKIN: FLUSH THORO FOR AT LEAST 15 MINS. WASH AFFECTED SKIN W/SOAP & (SUPP DATA)

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

Flash Point Method:CC

Flash Point:42.1F,5.6C

Lower Limits:4.4

%

Upper Limits:16.0%

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, ALCOHOL FOAM, WATER MIST OR FOG.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVED SCBA & FULL PROT EQUIP. HEAT WILL BUILD PRESS & RUPTURE CLSD STOR CNTNRS. WATER SPRAY MAY BE INEFTIVE DIRECTLY ON FIRE,(SUPP DATA)

Unusual Fire/Explosion Hazard:VERY VOLATILE & EXTREMELY FLAMMABLE.

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

Spill Release Procedures:PROTECT FROM IGNIT. WEAR PROT CLTHG & USE NIOSH/MSHA APPRD RESP EQUIP. ABSORB SPILLED MATL IN ABSORB RECOMM FOR SOLV SPILLS & REMOVE TO SAFE LOCATION FOR DISP BY APPRVD METHODS. IF RELEASED TO ENVIRON , COMPLY W/ALL REGULATORY NOTIFICATION REQS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:ACETONITRILE SHLD BE PROTECTED FROM TEMP EXTREMES/DIRECT SUNLIGHT. PROPER STOR OF ACETONITRILE MUST BE DETERMINED BASE

D ON OTHER MATLS STOR (ING 4)

Other Precautions:GROUND AND BOND METAL CONTAINERS TO MINIMIZE STATIC SPARKS.

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

Respiratory Protection:USE NIOSH/MSHA APPRVD RESP EQUIP. FOLLOW NIOSH/MSHA & EQUIP MFR'S RECOMM TO DETERMINE APPROPRIATE EQUIPMENT (AIR-PURIFYING, AIR-SUPPLIED, OR SELF-CONTAINED BREATHING APPARATUS).

Ventilation:ADEQ VENT IS REQD TO PROTECT PERS FROM EXPOS TO CHEM VAPS EXCEEDING PEL & TO MIN FIRE HAZ

S. CHOICE OF VENT (ING 7)

Protective Gloves:NEOPRENE/RUBBER GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:PROT CLTHG IS RECOMM. EMER EYE WASH FOUNTAINS & SAFETY SHOWERS SHLD BE AVAIL IN VICIN OF ANY PTNTL EXPOS.

Work Hygienic Practices:WASH CLOTHING BEFORE RE-USE, AND DISCARD SHOES.

Supplemental Safety and Health

FIRE FIGHT PROC:BUT SHLD BE USED TO COOL FIRE-EXPOS CNTNRS. EFTS OF OVEREXP:CAN PRDCE DMG TO LIVER/KIDNEYS. FIRST AID PROC:WATER. REMOVE C

ONTAMD CLTHG & SHOES. GET EMER MED ASSIST. INGEST: CALL

LOCAL POISON CONTROL CENTER FOR ASSIST. CONT MD IMMED. NEVER INDUCE VOMIT/GIVE ANYTHING BY MOUTH TO UNCON/CONVULSING (ING 2)

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

Boiling Pt:B.P. Text:179F,82C

Melt/Freeze Pt:M.P/F.P Text:-47F,-44C

Vapor Pres:72.8

Vapor Density:1.4(AIR=1)

Spec Gravity:0.78 (H*2O=1)

Evaporation Rate & Reference:5 (BUAC=1)

Solubility in Water:@ 20C COMPLETE

Appearance and Odor:CLEA

R, COLORLESS LIQUID WITH A SWEET, ETHER-LIKE ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS & STRONG ACIDS AND BASES.

Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAME, OPEN CONTAINERS, AND POOR VENTILATION.

Hazardous Decomposition Products:INCOMPLETE COMBUST CAN GENERATE HYDROGEN CYANIDE & OTHER TOXIC VAPORS. THERM DECOMP MAY OCCUR AT TEMPS >120C.

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

Waste Disposal Methods: DISP OF ACETONITRILE AS EPA HAZ WASTE. CONT
STATE ENVIRON AGENCY FOR LISTING OF LICENSED HAZ WASTE DISP
FACILITIES & APPLIC REGS. DISP OF IN ACCORD W/ALL LOCAL, STATE &
FED REGS. HAZ WASTE NOS: U003 (IGNITABLE, TOXIC); D001 (IGNITABLE).

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