

ACCUSTANDARD INC. -- AECETONITRILE -- 6810-00-051-5871

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

Product ID:AECETONITRILE

MSDS Date:06/07/1993

FSC:6810

NIIN:00-051-5871

MSDS Number: CDVDH

=== Responsible Party ===

Company Name:ACCUSTANDARD INC.

Address:25 SCIENCE PARK, SUITE 687

City:NEW HAVEN

State:CT

ZIP:06511

Country:US

Info Phone Num:203-786-5290

Emergency Phone Num:203-786-5290

CAGE:0U4A8

=== Contr

actor Identification ===

Company Name:ACCUSTANDARD INC

Address:125 MARKET ST

Box:City:NEW HAVEN

State:CT

ZIP:06513

Country:US

Phone:800-442-5290

CAGE:0U4A8

Company Name:BETZDEARBORN INC.

Address:4636 SOMERTON ROAD

City:TREVOSE,

State:PA

ZIP:19053

Country:US

Phone:215-942-3355

CAGE:57394

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

Ingred Name:ACETONITRILE OR METHYL CYANIDE OR ETHANENITRILE OR  
CYANOMETHANE (SARA 313) (CERCLA)

CAS:75-05-8

RTECS #:AL7700000

Other REC L

imits:NONE RECOMMENDED  
OSHA PEL:40 PPM  
ACGIH TLV:40 PPM/60 STEL; 9596  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 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:MAY INCLUDE SERIOUS DAMAGE TO CENTRAL  
NERVOUS SYSTEM, IMPAIRED VISION, LIVER & KIDNEY DAMAGE, ANEMIA,  
LUNG IRRITATION.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:MAY INCLUDE HEADACHE, NAUSEA, VOMITING,  
DIZZINESS, WEAKNESS, RAPID INEFFECTIVE BREATHING, LOW BLOOD  
PRESSURE, LOSS OF CONSCIOUSNESS, CONVULSIONS, BURNING SENSATION,  
COUGHING.  
Medical Cond Aggravated by Exposure:CENTRAL NERVOUS SYSTEM DISORDERS,  
KIDNEY, LIVER, OR BLOOD DISORDERS, LUNG DISEASE.

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

First Aid:IN ALL CASES GET MEDICAL ATTENTION. EYES-FLUSH WITH WATER FOR  
15 MINUTES. SKIN-REMOVE CONTAMINATED CLOTHES. WASH WITH MILD SOAP &  
WATER. INHALED-REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL  
RESPIRAT ION AS NEEDED. DLA-HMIS: INGESTED-CONTACT POISON CONTROL  
CENTER AND OBTAIN IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method:CC  
Flash Point:41.0F,5.0C  
Lower Lim  
its:4.4  
Upper Limits:16  
Extinguishing Media:WATER FOG, CARBON DIOXIDE, DRY CHEMICAL.  
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
FULL FIRE FIGHTER'S PROTECTIVE GEAR. USE WATER TO COOL FIRE EXPOSED  
CONTAINERS.  
Unusual Fire/Explosion Hazard:EXTREMELY FLAMMABLE LIQUID.OSHA 1B  
FLAMMABLE LIQUID.FUMES MAY TRAVEL A GREAT DISTANCE TO POINT OF  
IGNITION & FLASH BACK.SEALED CONTAINERS MAY EXPLODE IN A FIRE.

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

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Spill Release Procedures:DLA-HMIS: WEAR PROPER PERSONAL, PROTECTIVE EQUIPMENT. ABSORB WITH INERT MATERIAL. PLACE IN CONTAINERS FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, VENTED PLACE.

Other Precautions:HANDLE IN FUME HOOD WITH GLOVES.

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

Respiratory Protection:IF ENG

INEERING CONTROLS FAIL OR NON-ROUTINE USE

OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134.

Ventilation:USE FUME HOOD/PROCESS ENCLOSURE TO MAINTAIN AIRBORN EXPOSURE BELOW TLV.

Protective Gloves:RUBBER OR PLASTIC.

Eye Protection:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER. DLA-HMIS: EYE WASH STATION & SAFETY SHOWER.

Work

Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:F5

Boiling Pt:B.P. Text:178F,81C

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

Vapor Pres:100

Vapor Density:1.42

Spec Gravity:0.786

Evaporation Rate & Reference:5.89 (N-BUTYL ACETATE=1)

Solubility in Water:APPRECIABLE/MISCIBLE

Appearance and Odor:CLEAR, COLORLESS,

VOLATILE LIQUID; ETHER-LIKE ODOR.

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

Stability Indicator/Materials to Avoid: YES

ACIDS, BASES, OXIDIZING AGENTS, REDUCING AGENTS, ALKALI METALS,  
MOISTURE.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: CARBON MONOXIDES, NITROGEN OXIDES,  
HYDROGEN CYANIDE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH  
LOCAL, STATE AND  
FEDERAL ENVIRONMENTAL REGULATIONS.

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