

DOW CHEMICAL U S A -- ACETONE,SYNTHETIC - ACETONE,TECHNICAL
MATERIAL SAFETY DATA SHEET
NSN: 6810002811864
Manufacturer's CAGE: 71983
Part No. Indicator: A
Part Number/Trade Name: ACETONE,SYNTHETIC

=====
General Information
=====

Item Name: ACETONE,TECHNICAL
Company's Name: DOW CHEMICAL U S A
Company's Street: 2020 DOW CENTER BARSTOW BLDG
Company's City: MIDLAND
Company's State: MI
Company's Country: US
Company's Zip Code: 48640
Company's Emerg Ph #: 517-636-4400
Company's Info Ph #: 517-636-4400
Distributor/Vendor # 1: AMJAY CORPORATION (713-492-2000)
Distributor/Vendor # 1 Cage: 64184
Record No. For Safety Entry: 007
Tot Safety Entries This Stk#: 010
Status: SE
Date MSDS Prepared: 06JUL89
Safety Data Review Date: 01APR91
Supply Item Manager: CX
MSDS Serial Number: BJRDP
Specification Number: O-A-51G
Hazard Characteristic Code: F2
Unit Of Issue: DR
Unit Of Issue Container Qty: 54 GALLONS
Type Of Container: DRUM
Net Unit Weight: 355 POUNDS

=====
Ingredients/Identity Information
=====

Proprietary: NO
Ingredient: ACETONE (SARA III)
Ingredient Sequence Number: 01
Percent: 99.5
NIOSH (RTECS) Number: AL3150000
CAS Number: 67-64-1
OSHA PEL: 1000PPM
ACGIH TLV: 750PPM/1000STEL;9293
Other Recommended Limit: NONE SPECIFIED

=====
Physical/Chemical Characteristics
=====

Appearance And Odor: COLORLESS LIQUID, SWEETISH ODOR.
Boiling Point: 133F,56C
Melting Point: 140F FZ.PT.
Vapor Pressure (MM Hg/70 F): 182
Vapor Density (Air=1): 2
Specific Gravity: 0.788
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: 6 (BUTYL ACETATE = 1)
Solubility In Water: COMPLETE
Percent Volatiles By Volume: 100
Viscosity: UNKNOWN
Corrosion Rate (IPY): UNKNOWN

=====
Fire and Explosion Hazard Data
=====

Flash Point: 0F,-18C
Flash Point Method: TCC
Lower Explosive Limit: 2.6

Upper Explosive Limit: 12.8
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.
Special Fire Fighting Proc: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.
Unusual Fire And Expl Hazrds: COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

=====
Reactivity Data
=====

Stability: YES
Cond To Avoid (Stability): EXTREMELY HIGH TEMPERATURES
Materials To Avoid: STRONG OXIDIZING AGENTS
Hazardous Decomp Products: CARBON MONOXIDE, CARBON DIOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT APPLICABLE

=====
Health Hazard Data
=====

LD50-LC50 Mixture: LD50 (ORAL RAT) IS > 6000 MG/KG
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: HEALTH HAZARDS- ACUTE: MODERATE EYE IRRITATION AND MODERATE CORNEAL INJURY. INHALATION MAY CAUSE ANESTHETIC OR NARCOTIC EFFECTS. CHRONIC: EYES AND RESPIRATORY TRACT IRRITATION.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Signs/Symptoms Of Overexp: EYES: MODERATE IRRITATION, CORNEAL INJURY. SKIN: IRRITATION, DRYING, FLAKING. INHALATION: UPPER RESPIRATORY TRACT IRRITATION, HEADACHE, DIZZINESS, DROWSINESS. INGESTION: NO HAZARD ANTICIPATED FROM INGESTION INCIDENTAL TO INDUSTRIAL EXPOSURE. IF INGESTED INTENTIONALLY, SEVERE HEARTBURN-LIKE SYMPTOMS, AND NAUSEA.
Med Cond Aggravated By Exp: NONE NOTED.
Emergency/First Aid Proc: EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEE DOCTOR. SKIN: WASH OFF IN FLOWING WATER OR SHOWER. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH-TO- MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. INGESTION: INDUCE VOMITING IF LARGE AMOUNTS ARE INGESTED. SEE DOCTOR.

=====
Precautions for Safe Handling and Use
=====

Steps If Matl Released/Spill: SMALL SPILL: ALLOW TO EVAPORATE IF IT CAN BE DONE SAFELY. OTHERWISE, SOAK UP IN ABSORBENT MATERIAL AND SCOOP UP INTO DRUMS. LARGE SPILL: DIKE AND PUMP INTO DRUMS USING AIR-OPERATED OR OTHER NON-SPARKING PUMP. PREVENT FROM ENTERING DRAINS AND SEWERS.
Neutralizing Agent: NOT APPLICABLE
Waste Disposal Method: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER RECOMMENDS INCINERATION.
Precautions-Handling/Storing: STORE IN A COOL, DRY, WELL VENTILATED AREA, AWAY FROM HEAT, IGNITION SOURCES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS TIGHTLY CLOSED.
Other Precautions: DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. AVOID CONTACT WITH EYES. USE WITH ADEQUATE VENTILATION. USE SPARK-RESISTANT TOOLS.

=====
Control Measures
=====

Respiratory Protection: NONE NORMALLY REQUIRED WITH ADEQUATE VENTILATION. NIOSH/MSHA-APPROVED RESPIRATOR WITH ORGANICS CARTRIDGE OR APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS AS APPROPRIATE FOR

EXPOSURE OF CONCERN.
Ventilation: LOCAL EXHAUST VENTILATION. USE EXPLOSION-PROOF EQUIPMNENT.
USE ONLY WITH ADEQUATE VENTILATION.
Protective Gloves: RUBBER.
Eye Protection: CHEMICAL GOGGLES.
Other Protective Equipment: EYE WASH STATION AND SAFETY SHOWER.
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.
Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.
Suppl. Safety & Health Data: USE ONLY WITH ADEQUATE VENTILATION. LETHAL
DOSES MAY EXIST IN AREAS WITH POOR VENTILATION.

=====

Transportation Data

=====

Trans Data Review Date: 91091
DOT PSN Code: ABF
DOT Proper Shipping Name: ACETONE
DOT Class: 3
DOT ID Number: UN1090
DOT Pack Group: II
DOT Label: FLAMMABLE LIQUID
IMO PSN Code: ADF
IMO Proper Shipping Name: ACETONE
IMO Regulations Page Number: 3102
IMO UN Number: 1090
IMO UN Class: 3.1
IMO Subsidiary Risk Label: -
IATA PSN Code: ACM
IATA UN ID Number: 1090
IATA Proper Shipping Name: ACETONE
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: ACM
AFI Prop. Shipping Name: ACETONE
AFI Class: 3
AFI ID Number: UN1090
AFI Pack Group: II
AFI Label: FLAMMABLE LIQUID
AFI Basic Pac Ref: 7-7

=====

Disposal Data

=====

=====

Label Data

=====

Label Required: YES
Technical Review Date: 01APR91
MFR Label Number: NONE
Label Status: F
Common Name: ACETONE,SYNTHETIC
Chronic Hazard: NO
Signal Word: DANGER!
Acute Health Hazard-Moderate: X
Contact Hazard-Slight: X
Fire Hazard-Severe: X
Reactivity Hazard-None: X
Special Hazard Precautions: HEALTH HAZARDS- ACUTE: MODERATE EYE IRRITATION
AND MODERATE CORNEAL INJURY. INHALATION MAY CAUSE ANESTHETIC OR NARCOTIC
EFFECTS. CHRONIC: EYES AND RESPIRATORY TRACT IRRITATION. STORE IN A COOL,
DRY, WELL VENTILATED AREA, AWAY FROM HEAT, IGNITION SOURCES AND
IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SEE DOCTOR.
SKIN: WASH OFF IN FLOWING WATER OR SHOWER. INHALATION: REMOVE TO FRESH AIR.
IF NOT BREATHING, GIVE MOUTH-TO-MOUTH RESUSCITATION. IF BREATHING IS
DIFFICULT, GIVE OXYGEN. CALL A PHYSCIAN. INGESTION: INDUCE VOMITING IF
LARGE AMOUNTS ARE INGESTED.
Protect Eye: Y

Protect Skin: Y
Label Name: DOW CHEMICAL U S A
Label Street: 2020 DOW CENTER BARSTOW BLDG
Label City: MIDLAND
Label State: MI
Label Zip Code: 48640
Label Country: US
Label Emergency Number: 517-636-4400
Year Procured: 1989

ALL CHEMICAL PRODUCTS MAY BE HAZARDOUS IF IMPROPERLY USED, HANDLED OR STORED. ALWAYS ENSURE THAT YOU HAVE CONSULTED THE LATEST MATERIAL SAFETY DATA SHEET (MSDS) FOR ANY CHEMICAL PRODUCT BEFORE USING, HANDLING OR STORING A CHEMICAL PRODUCT, AND THAT YOU ARE WEARING AND USING ALL APPROPRIATE SAFETY EQUIPMENT.

THE INFORMATION PRESENTED HEREIN, WHILE NOT GUARANTEED, WAS PREPARED BY TECHNICAL PERSONNEL AND IS TRUE AND ACCURATE TO THE BEST OF OUR KNOWLEDGE. NO WARRANTY OR GUARANTEE, EXPRESSED OR IMPLIED, IS MADE REGARDING PERFORMANCE, STABILITY OR OTHERWISE. THIS INFORMATION IS NOT INTENDED TO BE ALL-INCLUSIVE AS THE MANNER AND CONDITIONS OF USE, HANDLING, STORAGE AND OTHER FACTORS MAY INVOLVE OTHER OR ADDITIONAL SAFETY OR PERFORMANCE CONSIDERATIONS. WHILE OUR TECHNICAL PERSONNEL WILL BE HAPPY TO RESPOND TO QUESTIONS REGARDING SAFE HANDLING AND USE PROCEDURES, SAFE HANDLING AND USE REMAINS THE RESPONSIBILITY OF THE CUSTOMER. NO SUGGESTIONS FOR USE ARE INTENDED AS, AND NOTHING HEREIN SHALL BE CONSTRUED AS, A RECOMMENDATION TO INFRINGE ANY EXISTING PATENTS OR TO VIOLATE ANY FEDERAL, STATE OR LOCAL LAWS.