

BRISTOL-MYERS SQUIBB -- MUCOMYST-10% - ACETYL CYSTEINE SOLUTION
MATERIAL SAFETY DATA SHEET
NSN: 6505002299322
Manufacturer's CAGE: 4T649
Part No. Indicator: A
Part Number/Trade Name: MUCOMYST-10%

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

Item Name: ACETYL CYSTEINE SOLUTION
Company's Name: BRISTOL-MYERS SQUIBB CO
Company's P. O. Box: 191
Company's City: NEW BRUNSWICK
Company's State: NJ
Company's Country: US
Company's Zip Code: 08903
Company's Emerg Ph #: 800-424-9300 (CHEMTREC)
Company's Info Ph #: 908-519-2385
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 13OCT92
Safety Data Review Date: 24MAR95
MSDS Serial Number: BXFPV

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

Proprietary: NO
Ingredient: CYSTEINE, N-ACETYL-, L-; (ACETYL CYSTEINE SODIUM)
Ingredient Sequence Number: 01
Percent: 10-20
NIOSH (RTECS) Number: HA1660000
CAS Number: 616-91-1
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: WATER
Ingredient Sequence Number: 02
Percent: >1
NIOSH (RTECS) Number: ZC0110000
CAS Number: 7732-18-5
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: ACETIC ACID, (ETHYLENEDINITRILIO) TETRA-, DISODIUM SALT;
(DISODIUM EDETATE)
Ingredient Sequence Number: 03
Percent: <1
NIOSH (RTECS) Number: AH4375000
CAS Number: 139-33-3
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Proprietary: NO
Ingredient: SODIUM HYDROXIDE
Ingredient Sequence Number: 04
Percent: <1
NIOSH (RTECS) Number: WB4900000
CAS Number: 1310-73-2
OSHA PEL: 2 MG/M3
ACGIH TLV: C 2 MG/M3

Proprietary: NO
Ingredient: SUP DAT: ESSENTIALLY NON-TOXIC AFTER ACUTE ORAL EXPOS.
ADDITIONAL INFO ABOUT THERAPEUTIC USE & EFTS OF (ING 6)
Ingredient Sequence Number: 05
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 5: THIS PROD MAY BE FOUND IN PACKAGE INSERT SUPP W/THIS PROD. TARGET ORGANS: GI TRACT; LUNGS (AFTER ORAL INHAL).
Ingredient Sequence Number: 06
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: OTHER PREC: DIRECTIONS OF PHYSICIAN &/UNDER CNDTNS OF USE DESCRIBED ON LABEL. AS GEN PREC, PERS WHO HANDLE DRUG (ING 8)
Ingredient Sequence Number: 07
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Proprietary: NO
Ingredient: ING 7: SUBSTANCES SHOULD AVOID CONT (INGEST, INHAL, SKIN & EYE CONT) W/THESE SUBSTANCES.
Ingredient Sequence Number: 08
NIOSH (RTECS) Number: 9999999ZZ
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

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Physical/Chemical Characteristics

Appearance And Odor: VIALS CONTAINING COLORLESS, AQUEOUS LIQUID; HYDROGEN SULFIDE ODOR
Boiling Point: 212F, 100C
Melting Point: 32.0F, 0.0C
Vapor Pressure (MM Hg/70 F): (SUP DAT)
Solubility In Water: MISCIBLE
pH: 6-7.5

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Fire and Explosion Hazard Data

Extinguishing Media: USE WATER. USE WATER TO KEEP FIRE-EXPOSED CONTAINERS COOL.
Special Fire Fighting Proc: USE WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N). EVACUATE PERS TO SAFE AREA. FIGHT FIRE FROM MAX SAFE DISTANCE. DIVERT RUNOFF TO SAFE AREA.
Unusual Fire And Expl Hazrds: NONE SPECIFIED BY MANUFACTURER.

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Reactivity Data

Stability: YES
Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid: NONE KNOWN.
Hazardous Decomp Products: THERMAL DECOMPOSITION OR BURNING MAY PRODUCE NOXIOUS PRODUCTS INCLUDING CO, CO², NOX, SOX.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT.

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Health Hazard Data

LD50-LC50 Mixture: LD50 (ORAL RAT): 5050 MG/KG

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: NO

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: INGEST: MAY RSLT IN NAUS & VOMIT.

GENERALIZED URTICARIA, SOMETIMES ACCCOMPANIED BY MILD FEVER, HAS OCURRED RARELY. INHAL: USED THERAPEUTICALLY IT HAS PRODUCED ADVERSE EFTS, INCL STOMATITIS, NAUS, VOMIT, DROW, CLAMMINESS, SEV RHINORRHEA (I.E. NASAL DISCHARGE), &, RARELY, FEVER & CHILLS. SKIN: MAY CAUSE (EFTS OF OVEREXP)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT.

Signs/Symptoms Of Overexp: HLTH HAZ: IRRIT. SENSIT & DERMAL ERUPTIONS HAVE BEEN REPORTED AFTER FREQUENT & EXTENDED EXPOS TO DRUG. USE GLOVES & PROT CLTHG. ADDN PROT CLTHG MAY BE NEEDED WHEN HNDLG LGE QTYS OF PROD/IF POTNTL FOR SPLASHING EXISTS. EYES: MAY CAUSE IRRIT. GOGG SHOULD BE WORN WHEN HNDLG LGE QTYS OF PROD. THIS PRODUCT IS A (SUP DAT)

Med Cond Aggravated By Exp: THERAPEUTIC DOSES ADMINISTERED ORALLY MAY AGGRAVATE GASTRIC HEMORRHAGE.

Emergency/First Aid Proc: EYES: FLUSH W/LGE AMTS OF WATER FOR AT LEAST 15 MIN. SKIN: WASH W/SOAP & WATER FOR 15-20 MIN. INGEST: GET MD ATTN IMMED. VOMIT MAY BE INDUCED IF PERS IS CONSCIOUS & IF INGEST OCURRED W/IN PAST 3 HRS. NEVER INDUCE VOMIT IN PERS WHO IS UNCON/EXPERIENCING CONVULSIONS. INHAL: REMOVE TO FRESH AIR. IF BRTH IS DFCLT ADMINISTER OXYGEN. IF PERS IS NOT BRTH ARTF RESP CAN BE ATTEMPTED. GET MD ATTN IMMED.

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

Steps If Matl Released/Spill: WEARING SUITABLE PROT CLTHG, ABSORB LIQUID ONTO APPROP ABSORB MATL & PLACE INTO CONTR FOR DISP. LATEX GLOVES & EYE PROT SHOULD BE WORN AS MIN PREC. ADDN PROT CLTHG/EQUIP MAY BE NEEDED DEPENDING ON EXTENT OF SPILL. SPILL AREA SHOULD BE VENT (SUP DAT)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS OR WITH THE REGULATIONS OF THE COUNTRY IN WHICH THE MATERIAL IS USED.

Precautions-Handling/Storing: PERS WHO HANDLE THIS SOLN IN MFG FACILITY SHOULD WEAR PROT CLTHG, INCL IMPERMEABLE GLOVES, EYE PROT, & GOWN. MUCOMYST SHOULD BE STORED AT 15-30C.

Other Precautions: PERS WHO HANDLE THIS SOLN IN NON-MFG SETTING (E.G. AT CLINICAL FACILITY) SHOULD WEAR IMPERMEABLE GLOVES & EYE PROT. PERS WHO ARE ALLERGIC TO SUBSTANCE SHOULD AVOID CONT W/SUBSTANCE. THERAPEUTIC AGENTS ARE INTENDED FOR USE UNDER (ING 7)

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

Respiratory Protection: USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

Ventilation: NONE SPECIFIED BY MANUFACTURER.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGS (FP N).

Other Protective Equipment: EMERGENCY EYEWASH & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: VP: SIMILAR TO WATER. SPILL PROC: & DECONTAMINATED AFTER MATL HAS BEEN PICKED UP. EFTS OF OVEREXP: LIQ & UNDER NORM CNDTNS OF USE IS NOT AN INHAL HAZ. WHEN USED THERAPEUTICALLY, & INTRODUCED INTO LUNGS, MOST OF N-ACETYLCYSTEINE REACTS W/MUCOPROTEINS. REMAINDER IS ABSORBED THRU LUNGS. WOULD BE CLASSIFIED AS (ING 5)

===== Transportation Data =====

Trans Data Review Date: 95257

DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION
IATA PSN Code: ZZZ
IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
AFI PSN Code: ZZZ
AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION

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Disposal Data

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Label Data

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Label Required: YES
Technical Review Date: 24MAR95
Label Date: 24MAR95
Label Status: G
Common Name: MUCOMYST-10%
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-Slight: X
Contact Hazard-Moderate: X
Fire Hazard-None: X
Reactivity Hazard-None: X
Special Hazard Precautions: ACUTE: INGEST: MAY RESULT IN NAUSEA AND VOMITING. GENERALIZED URTICARIA, SOMETIMES ACCCOMPANIED BY MILD FEVER, HAS OCURRED RARELY. INHAL: USED THERAPEUTICALLY IT HAS PRODUCED ADVERSE EFFECTS, INCLUDING STOMATITIS, NAUSEA, VOMITING, DROWSINESS, CLAMMINESS, SEVERE RHINORRHEA (I.E. NASAL DISCHARGE), AND RARELY FEVER AND CHILLS. SENSITIZATION AND DERMAL ERUPTIONS HAVE BEEN REPORTED.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: BRISTOL-MYERS SQUIBB CO
Label P.O. Box: 191
Label City: NEW BRUNSWICK
Label State: NJ
Label Zip Code: 08903
Label Country: US
Label Emergency Number: 800-424-9300 (CHEMTREC)