

Valid 11/1999 - 01/2000

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M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

CATALOG #: M0512
NAME: METHYL CELLULOSE

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 9004-67-5

SYNONYMS

ADULSIN * BAGOLAX * BUFAPTO METHALOSE * BULKALOID * CELACOL M *
CELACOL M20 * CELACOL M450 * CELACOL MM * CELACOL MM 10P * CELACOL M
20P * CELLAPRET * CELLOGRAN * CELLOTHYL * CELLULOSE METHYL *
CELLULOSE METHYLATE * CELLUMETH * CETHYLOSE * CETHYTIN * CULMINAL K
42 * EDISOL M * HYDROLOSE * MAPOLOSE M25 * MAPOLOSE 60SH50 * MCO 8000
* MC 4000 CP * MC 20000S * MELLOSE * METHOCEL 10 * METHOCEL 15 *
METHOCEL 181 * METHOCEL 400 * METHOCEL 4000 * METHOCEL A * METHOCEL
CHG * METHOCEL 400CPS * METHOCEL 4000CPS * METHOCEL MC * METHOCEL MC
25 * METHOCEL MC4000 * METHOCEL MC 8000 * METHOCEL SM 100 * METHULOSE
* METHYLCELLULOSE * METHYLCELLULOSE (1/2%) * METHYL CELLULOSE-A *
METHYL CELLULOSE ETHER * METOLOSE MC 8000 * METOLOSE 60SH * METOLOSE
60SH400 * METOLOSE SM 15 * METOLOSE SM 100 * METOLOSE SM 4000 * MMTS-
BTR * MTS * NAPOLONE * NICEL * RHOMELLOSE * SYNCELOSE * TYLOSE 444 *
TYLOSE A4S * TYLOSE MF * TYLOSE MH20 * TYLOSE MH50 * TYLOSE MH300 *
TYLOSE MH1000 * TYLOSE MH2000 * TYLOSE MH4000 * TYLOSE MH300P *
TYLOSE SAP * TYLOSE SL * TYLOSE SL 100 * TYLOSE SL 400 * TYLOSE SL
600 * TYLOSE TWA * USP METHYLCELLULOSE * VISCOL * VISCONTRAN L52 *
VISCOSOL * WALSDORF MC 20000S *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

CAUTION:
AVOID CONTACT AND INHALATION.

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.
FLUSH SKIN WITH WATER.
IF INHALED, REMOVE TO FRESH AIR.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

THIS MATERIAL, LIKE MOST MATERIALS IN POWDER FORM, IS CAPABLE OF
CREATING A DUST EXPLOSION.
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

* SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.

AVOID RAISING DUST.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE- - - - -

REFER TO SECTION 8.

ADDITIONAL INFORMATION

CELLULOSE AND ITS DERIVATIVES MAY REACT VIGOROUSLY WITH CALCIUM OXIDE, BLEACHING POWDER, PERCHLORATES, PERCHLORIC ACID, SODIUM CHLORATE, FLUORINE, NITRIC ACID, SODIUM NITRITE AND SODIUM NITRATE.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.

SAFETY SHOWER AND EYE BATH.

MECHANICAL EXHAUST REQUIRED.

DO NOT BREATHE DUST.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

KEEP TIGHTLY CLOSED.

STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND ODOR

WHITE POWDER

SECTION 10. - - - - - -STABILITY AND REACTIVITY - - - - -

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

MAY CAUSE EYE IRRITATION.

MAY CAUSE SKIN IRRITATION.

MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

INGESTION OF LARGE QUANTITIES WILL PRODUCE A LAXATIVE EFFECT AND MAY BE IRRITATING TO THE DIGESTIVE TRACT.

THERE IS ALSO A RISK OF ESOPHAGEAL, GASTRIC, SMALL INTESTINAL AND RECTAL OBSTRUCTION DUE TO OSMOTIC DISTURBANCE.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND

TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: FJ5959000

CELLULOSE, METHYL ETHER (1/2%)

TOXICITY DATA

IPR-MUS LD50:275 GM/KG

NTIS** AD628-313

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -

CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -

EUROPEAN INFORMATION

CAUTION: SUBSTANCE NOT YET FULLY TESTED.

TLV AND SOURCE

SUPPLIER SUGGESTED EXPOSURE LIMIT:10 MG/M3.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

NOHS 1974: HZD 80304; NIS 62; TNF 3984; NOS 63; TNE 53298

NOES 1983: HZD X8583; NIS 62; TNF 5594; NOS 80; TNE 108851; TFE 40524

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JUNE 1999

SECTION 16. - - - - - OTHER INFORMATION- - - - -

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