



chemists helping chemists in research & industry

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DATE: 05/03/93
CUST#: 523216
PO#: Q013717

M A T E R I A L S A F E T Y D A T A S H E E T PAGE 1

IDENTIFICATION

PRODUCT #: 31069-7
CAS #: 9004-34-6 NAME: CELLULOSE, POWDER, CA. 20 MICRON

SYNONYMS

ABICEL * BETA-AMYLASE * ARBOCEL * ARBOCEL BC 200 * ARBOCELL B 600/30 *
AVICEL * AVICEL 101 * AVICEL 102 * AVICEL PH 101 * AVICEL PH 105 *
CELLEX MX * ALPHA-CELLULOSE * CELLULOSE 248 * CELLULOSE (ACGIH, OSHA) *
CELLULOSE CRYSTALLINE * CELUFI * CEPO * CEPO CFM * CEPO S 20 * CEPO
S 40 * CHROMEDIA CC 31 * CHROMEDIA CF 11 * CUPRICELLULOSE * ELCEMA F
150 * ELCEMA G 250 * ELCEMA P 050 * ELCEMA P 100 * FRESINIUS D 6 *
HEWETEN 10 * HYDROXYCELLULOSE * KINGCOT * LA 01 * MN-CELLULOSE *
ONOZUKA P 50C * PYROCELLULOSE * RAYOPHANE * RAYWEB Q * REXCEL *
SIGMACELL * SOLKA-FIL * SOLKA-FLOC * SOLKA-FLOC BW * SOLKA-FLOC BW 20
* SOLKA-FLOC BW 100 * SOLKA-FLOC BW 200 * SOLKA-FLOC BW 2030 *
SPARTOSE DM-22 * SULFITE CELLULOSE * TOMOFAN * TUNICIN * WHATMAN CC-
31 *

TOXICITY HAZARDS

C.S. #: FJ5691460
CELLULOSE

REVIEWS, STANDARDS, AND REGULATIONS

ACGIH TLV-TWA 10 MG/M3, TOTAL DUST 85INA8 5,113,86
OSHA PEL:8H TWA 15 MG/M3, TOTAL DUST FEREAC 54,2923,89
OSHA PEL:8H TWA 5 MG/M3, RESPIRABLE FRACTION FEREAC 54,2923,89
OSHA PEL FINAL:8H TWA 15 MG/M3, TOTAL DUST FEREAC 54,2923,89
OSHA PEL FINAL:8H TWA 5 MG/M3, RESPIRABLE FRACTION FEREAC 54,2923,89
OEL-AUSTRALIA:TWA 10 MG/M3 JANUARY 1993
OEL-BELGIUM:TWA 10 MG/M3 JANUARY 1993
OEL-FRANCE:TWA 10 MG/M3 JANUARY 1993
OEL-RUSSIA:TWA 2 MG/M3;STEL 4 MG/M3;SKIN JANUARY 1993
OEL-SWITZERLAND:TWA 6 MG/M3 JANUARY 1993
OEL-THE NETHERLANDS:TWA 10 MG/M3 JANUARY 1993
OEL-UNITED KINGDOM:TWA 10 MG/M3;STEL 20 MG/M3 JANUARY 1993 (TOTAL
DUST)
OEL-UNITED KINGDOM:TWA 5 MG/M3 JANUARY 1993 (RESPIRABLE DUST)
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA, NEW ZEALAND, SINGAPORE,
VIETNAM CHECK ACGIH TLV
NIOSH REL TO CELLULOSE, RESPIRABLE FRACTION-AIR:10H TWA 5 MG/M3 NIOSH*
DHHS #92-100,92
NIOSH REL TO CELLULOSE, TOTAL DUST-AIR:10H TWA 10 MG/M3 NIOSH* DHHS
#92-100,92
NOES 1983: HZD X5049; NIS 1; TNF 30; NOS 2; TNE 447; TFE 179
EPA TSCA CHEMICAL INVENTORY, JUNE 1990
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 1993

CONTINUED ON NEXT PAGE

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--- TOXICITY HAZARDS ---

NIOSH ANALYTICAL METHODS: SEE NUISANCE DUST, TOTAL, 0500; NUISANCE DUST, RESPIRABLE, 0600;
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

--- HEALTH HAZARD DATA ---

ACUTE EFFECTS

MAY BE HARMFUL IF INHALED.
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.

FIRST AID

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.

--- PHYSICAL DATA ---

APPEARANCE AND ODOR
WHITE POWDER

--- FIRE AND EXPLOSION HAZARD DATA ---

EXTINGUISHING MEDIA

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

SPECIAL FIRE FIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

CONTINUED ON NEXT PAGE

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--- FIRE AND EXPLOSION HAZARD DATA ---

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

--- REACTIVITY DATA ---

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE

--- SPILL OR LEAK PROCEDURES ---

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

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.

WASTE DISPOSAL METHOD

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.

--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

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.

LABEL PRECAUTIONARY STATEMENTS

CAUTION:

AVOID CONTACT AND INHALATION.

--- ADDITIONAL PRECAUTIONS AND COMMENTS ---

CONTINUED ON NEXT PAGE

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--- ADDITIONAL PRECAUTIONS AND COMMENTS ---

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.

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