

Product Number: 221791

Product Name: Filter agent, Celite® 521

Product Information

Valid 08/2000 - 10/2000

Description / Pricing

Cert. of Analysis

MSDS

08/08/00

Aldrich Chemical Co., Inc.
1001 West St. Paul
Milwaukee, WI 53233 USA
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Print Preview

Bulk Quote

Ask A Scientist

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 #: 221791
 NAME: FILTER AGENT, CELITE 521

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -
 CAS #: 61790-53-2
 SYNONYMS
 CELITE * DIATOMACEOUS EARTH, NATURAL * KIESELGUHR * SILICA, AMORPHOUS,
 DIATOMACEOUS EARTH, CONTAINING >1 % CRYSTALLINE SILICA (OSHA) *
 SILICA, AMORPHOUS - DIATOMACEOUS EARTH (UNCALCINED) (ACGIH) *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -
 LABEL PRECAUTIONARY STATEMENTS
 HARMFUL
 HARMFUL BY INHALATION.
 IRRITATING TO EYES AND RESPIRATORY SYSTEM.
 TARGET ORGAN(S):
 LUNGS
 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
 WATER AND SEEK MEDICAL ADVICE.
 WEAR SUITABLE PROTECTIVE CLOTHING.
 DO NOT BREATHE DUST.

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -
 IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
 CALL A PHYSICIAN.
 IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
 RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
 IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER
 FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND
 SHOES. CALL A PHYSICIAN.
 IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER
 FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING
 THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -
 EXTINGUISHING MEDIA
 NONCOMBUSTIBLE.
 USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.
 SPECIAL FIREFIGHTING PROCEDURES
 WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
 PREVENT CONTACT WITH SKIN AND EYES.
 UNUSUAL FIRE AND EXPLOSIONS HAZARDS
 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.
 EVACUATE AREA.

SECTION 7. - - - - - HANDLING AND STORAGE- - - - -
 REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -
 SAFETY SHOWER AND EYE BATH.
 MECHANICAL EXHAUST REQUIRED.
 DO NOT BREATHE DUST.
 AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
 AVOID PROLONGED OR REPEATED EXPOSURE.
 NIOSH/MSHA-APPROVED RESPIRATOR.
 COMPATIBLE CHEMICAL-RESISTANT GLOVES.
 CHEMICAL SAFETY GOGGLES.
 STORE IN A COOL DRY PLACE.
 KEEP TIGHTLY CLOSED.
 WASH THOROUGHLY AFTER HANDLING.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -
 APPEARANCE AND ODOR
 TAN POWDER

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

STABLE.
 INCOMPATIBILITIES
 STRONG ACIDS
 HYDROGEN FLUORIDE
 HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
 NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.
 HAZARDOUS POLYMERIZATION
 WILL NOT OCCUR.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -
 ACUTE EFFECTS
 CAUSES SKIN IRRITATION.
 HARMFUL IF ABSORBED THROUGH SKIN.
 CAUSES EYE IRRITATION.
 HARMFUL IF INHALED.
 MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
 RESPIRATORY TRACT.
 HARMFUL IF SWALLOWED.
 PROLONGED INHALATION OF CRYSTALLINE SILICA MAY RESULT IN SILICOSIS, A
 DISABLING PULMONARY FIBROSIS CHARACTERIZED BY FIBROTIC CHANGES AND MILI-
 ARY NODULES IN THE LUNGS, A DRY COUGH, SHORTNESS OF BREATH, EMPHYSEMA,
 DECREASED CHEST EXPANSION AND INCREASED SUSCEPTIBILITY TO TUBERCULOSIS.
 IN ADVANCED STAGES, LOSS OF APPETITE, PLEURITIC PAIN, AND TOTAL INCAPA-
 CITY TO WORK. ADVANCED SILICOSIS MAY RESULT IN DEATH DUE TO CARDIAC
 FAILURE OR DESTRUCTION OF LUNG TISSUE. CRYSTALLINE SILICA IS CLASSIFIED
 AS GROUP 2A "PROBABLY CARCINOGENIC TO HUMANS" BY IARC AND "SUFFICIENT
 EVIDENCE" OF CARCINOGENICITY BY THE NTP.

CHRONIC EFFECTS
 TARGET ORGAN(S):
 LUNGS
 THIS PRODUCT IS OR CONTAINS A COMPONENT THAT IS NOT CLASSIFIABLE AS
 TO ITS CARCINOGENICITY BASED ON ITS IARC, ACGIH, NTP OR EPA
 CLASSIFICATION.

RTECS #: VV7311000
 SILICA, AMORPHOUS - DIATOMACEOUS EARTH
 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 - - - - -
 BURY IN A LANDFILL SITE APPROVED FOR THE DISPOSAL OF CHEMICAL
 AND HAZARDOUS WASTES.
 OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -
 CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -
 EUROPEAN INFORMATION
 CAUTION: SUBSTANCE NOT YET FULLY TESTED.
 HARMFUL
 R 20
 HARMFUL BY INHALATION.
 R 36/37
 IRRITATING TO EYES AND RESPIRATORY SYSTEM.
 S 26
 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
 WATER AND SEEK MEDICAL ADVICE.
 S 36
 WEAR SUITABLE PROTECTIVE CLOTHING.
 S 22
 DO NOT BREATHE DUST.

REVIEWS, STANDARDS, AND REGULATIONS
 OEL=MAK
 ACGIH TLV-TWA 3 MG/M3 RESPIRABLE PARTICULATE DTLVS* TLV/BEI,1999
 ACGIH TLV-TWA 10 MG/M3 E,I,INHALABLE PARTICULATE DTLVS* TLV/BEI,1999
 IARC CANCER REVIEW:ANIMAL INADEQUATE EVIDENCE IMEMDT 42,39,1987
 IARC CANCER REVIEW:HUMAN INADEQUATE EVIDENCE IMEMDT 42,39,1987
 IARC CANCER REVIEW:ANIMAL INADEQUATE EVIDENCE IMEMDT 68,41,1997
 IARC CANCER REVIEW:HUMAN INADEQUATE EVIDENCE IMEMDT 68,41,1997
 IARC CANCER REVIEW:GROUP 3 IMEMDT 68,41,1997
 MSHA STANDARD-DUST IN AIR:TWA 20 MCCPF
 DTLWS* 3,33,1973
 OSHA PEL (GEN INDU):8H TWA 80 MG/M3/%SIO2
 CFRGBR 29,1910.1000,1994
 OSHA PEL (CONSTRUC):8H TWA 80 MG/M3/%SIO2
 CFRGBR 29,1926.55,1994
 OSHA PEL (SHIPYARD):8H TWA 20 MPPCF/(%SIO2+5)
 CFRGBR 29,1915.1000,1993
 OSHA PEL (FED CONT):8H TWA 20 MPPCF/(%SIO2+5)
 CFRGBR 41,50-204.50,1994
 OEL-GERMANY:TWA 4 MG/M3 JAN 1993
 OEL-AUSTRIA: MAK 4 MG/M3, JAN1999
 OEL-THAILAND:TWA 80 MG/M3 JAN 1993
 OEL-UNITED KINGDOM:TWA 3 MG/M3 (RESP. DUST) JAN 1993

OEL-UNITED KINGDOM:TWA 6 MG/M3 (TOTAL DUST) JAN 1993
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA CHECK ACGIH TLV
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM CHECK ACGIH TLV
NIOSH REL TO SILICA, AMORPHOUS, DIATOMACEOUS EARTH-AIR:TWA 6 MG/M3
NIOSH* DHHS #92-100,1992
NOES 1983: HZD X3017; NIS 109; TNF 11151; NOS 97; TNE 169362; TFE 24496
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, DECEMBER 1999
NIOSH ANALYTICAL METHOD, 1994: SILICA, AMORPHOUS, 7501

U.S. INFORMATION

CALIFORNIA PROPOSITION 65:
THIS PRODUCT IS OR CONTAINS CHEMICAL(S) KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE CANCER.

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