



chemists helping chemists in research & industry

aldrich chemical co., inc.

P.O. Box 355, Milwaukee, Wisconsin 53201 USA

Telephone: (414) 273-3850
TWX: (910) 262-3052 Aldrichem I
Telex: 26 843 Aldrich MI
FAX: (414) 273-4979

ATTN: SAFETY DIRECTOR
UNIVERSITY OF WISCONSIN WHITEWATER
P O BOX 296
WHITEWATER WI 53190-0296

DATE: 05/06/94
CUST#: 523216
PO#: UND-435595

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

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

PRODUCT #: 34332-3 NAME: SILICA GEL, GRADE 22, 60-200 MESH

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

CAS #: 112926-00-8

SYNONYMS

BIO-SIL * KIESELSAURE (GERMAN) * METASILICIC ACID *
CAB-O-SIL * CAB-O-SPERSE * CATALOID * COLLOIDAL SILICA * COLLOIDAL
SILICON DIOXIDE * DAVISON SG-67 * DICALITE * DRI-DIE INSECTICIDE 67 *
ENT 25,550 * FOSSIL FLOUR * FUMED SILICA * FUMED SILICON DIOXIDE *
LUDOX * NALCOAG * NYACOL * NYACOL 830 * NYACOL 1430 * SANTOCOL * SG-
67 * SILICA, AMORPHOUS * SILICIC ANHYDRIDE * SILIKILL * VULKASIL *

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

LABEL PRECAUTIONARY STATEMENTS

HARMFUL
HARMFUL BY INHALATION.
IRRITATING TO EYES AND RESPIRATORY SYSTEM.
TARGET ORGAN(S):
LUNGS
DO NOT BREATHE DUST.
IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE
RESPIRATORY EQUIPMENT.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE
PROTECTION.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
PROTECT FROM MOISTURE.

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

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.
ASSURE ADEQUATE FLUSHING OF THE EYES BY SEPARATING THE EYELIDS
WITH FINGERS.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.

CONTINUED ON NEXT PAGE

France
Aldrich-Chimie S.a.r.l.
B.P. 701
38297 Saint Quentin Fallavier
Cedex
Telephone: 74822800
Telex: 308215 Aldrich F
FAX: 74956808

Italy
Aldrich Chimica
Via Gallarate, 154
20151 Milano
Telephone: 0233417370
FAX: 0238010737

Japan
Aldrich Japan
Kyodo Bldg. Shinkanda
10 Kanda-Mikuracho
Chiyoda-Ku, Tokyo
Telephone: 0332580155
FAX: 0332580157

Spain
Aldrich Quimica
Apt. de Correos 161
28100 Alcobendas (Madrid)
Telephone: 3416619977
Telex: 22189 SAQS-E
FAX: 3416618084

United Kingdom
Aldrich Chemical Co., Ltd.
The Old Brickyard, New Road
Gillingham, Dorset SP8 4JL
Telephone: 0747822211
Telex: 417238 Aldrch G
FAX: 0747823779

Germany
Aldrich-Chemie GmbH & Co. KG
W-7924 Steinheim
Telephone: 07329870
Telex: 714838 Aldri D
FAX: 0732987139/239

Switzerland
Aldrich Chemie
Industriestrasse 25
P.O. Box 260
CH-9470 Buchs
Telephone: 08569723
FAX: 08567420

Australia
Aldrich Chemical
Unit 2
10 Anella Ave.
Castle Hill NSW 2154
Telephone: 028999977
FAX: 028999742

Belgium
Aldrich Chemie
K. Cardijnplein, 8
B-2880 Bornem
Telephone: 038991301
FAX: 038991311

Belgium
Aldrich Chemie
K. Cardijnplein, 8
B-2880 Bornem
Telephone: 038991301
FAX: 038991311

France
Aldrich-Chimie S.a.r.l.
B.P. 701
38291 Saint Quentin Fallavier
Cedex
Telephone: 74822800
Telex: 308215 Aldrich f
FAX: 749589808

Italy

Aldrich Chimica
Via Gallarate, 154
20151 Milano
Telephone: 0233417370
FAX: 0238010737

Japan

Aldrich Japan
Kyodo Bldg. Shinjuku
10 Kanda-Kojimachi
Chiyoda-ku, Tokyo
Telephone: 0332580155
FAX: 0332580157

Spain

Aldrich Quimica
Apil. de Correos 161
28100 Alcobendas (Madrid)
Telephone: 3416619977
Telex: 22189 SAQSE
FAX: 3416618084

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The Old Brickyard, New Road
Gillingham, Dorset SP8 4LL
Telephone: 0747822211
Telex: 417238 Aldrich G
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Germany

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W-7924 Steinheim
Telephone: 07329870
Telex: 714838 Aldch D
FAX: 0732987139/239

Switzerland

Aldrich Chemie
Industriestrasse 25
P.O. Box 260
CH-9470 Buchs
Telephone: 08569723
FAX: 08567420

Australia

Aldrich Chemical
Unit 7
10 Arlida Ave.
Castle Hill NSW 2154
Telephone: 02899977
FAX: 028999742

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SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -
CHEMICAL SAFETY GOGGLES.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID CONTACT AND INHALATION.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
HARMFUL DUST.
IRRITANT.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

SECTION 7. - - - - - REFER TO SECTION 8. - - - - -
SECTION 7. - - - - - HANDLING AND STORAGE - - - - -
WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -
SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -
EXTINGUISHING MEDIA
NONCOMBUSTIBLE.
USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.
SPECIAL FIRE FIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.
SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -

CALL A PHYSICIAN.
SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -
PRODUCT #: 343323 NAME: SILICA GEL, GRADE 22, 60-200 MESH
CUST#: 523216
P.O.#: UND-43595

MATERIAL SAFETY DATA SHEET





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aldrich chemical co., inc.

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TWX: (910) 262-3052 Aldrichem
Telex: 26 843 Aldrich MI
FAX: (414) 273-4979

M A T E R I A L S A F E T Y D A T A S H E E T P A G E 3

CUST#: 523216
PO#: UND-435595

PRODUCT #: 343323

NAME: SILICA GEL, GRADE 22, 60-200 MESH

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

APPEARANCE AND ODOR
FINE WHITE CRYSTALS

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

INCOMPATIBILITIES
STRONG ACIDS
HYDROGEN FLUORIDE
PROTECT FROM MOISTURE.
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
NATURE OF DECOMPOSITION PRODUCTS NOT KNOWN.

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

ACUTE EFFECTS
HARMFUL IF INHALED.
MAY BE HARMFUL IF SWALLOWED.
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
CAUSES EYE IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
MAY CAUSE SKIN IRRITATION.

CHRONIC EFFECTS
TARGET ORGAN(S):
LUNGS
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS NO: VV8850000

SILICIC ACID
IRRITATION DATA
EYE-RBT 8300 UG/48H

JANCA2 56,905,73

TOXICITY DATA
ORL-RAT LD50:3160 MG/KG
IVN-RAT LD50:15 MG/KG

ARSIM* 20,9,66
BSIBAC 44,1685,68

TARGET ORGAN DATA
LUNGS, THORAX OR RESPIRATION (ACUTE PULMONARY EDEMA)

ADDITIONAL INFORMATION
OSHA PEL TWA: 6 MG/M3 SILICA, AMORPHOUS, PRECIPITATE AND GEL.

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France
Aldrich-Chimie S.a.r.l.
B.P. 701
38297 Saint Quentin Fallavier
Cedex
Telephone: 74822800
Telex: 308215 Aldrich F
FAX: 74956808

Japan
Aldrich Japan
Kyodo Bldg. Shinkanda
10 Kanda-Mikuracho
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Gillingham, Dorset SP8 4JL
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Switzerland
Aldrich Chemie
Industriestrasse 25
P.O. Box 260
CH-9470 Buchs
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Belgium
Aldrich Chemie
K. Cardijnplein, 8
B-2880 Bornem
Telephone: 038991301
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Italy
Aldrich Chimica
Via Gallarate, 154
20151 Milano
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Spain
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Apt. de Correos 161
28100 Alcobendas (Madrid)
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Germany
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W-7924 Steinheim
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Australia
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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 -----

REVIEWS, STANDARDS, AND REGULATIONS
IARC CANCER REVIEW: ANIMAL INADEQUATE EVIDENCE IMEMDT 42,39,87
IARC CANCER REVIEW: HUMAN INADEQUATE EVIDENCE IMEMDT 42,39,87
IARC CANCER REVIEW: GROUP 3 IMSUDL 7,341,87
EPA TSCA CHEMICAL INVENTORY, JUNE 1993
DTLWS* 3,33,73
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, SEPTEMBER 1993
NIOSH ANALYTICAL METHODS: SEE SILICA, AMORPHOUS, 7501
OSHA ANALYTICAL METHOD #ID-125G

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

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ALDRICH SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

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France
Aldrich-Chimie S.a.r.l.
B.P. 701
38297 Saint Quentin Fallavier
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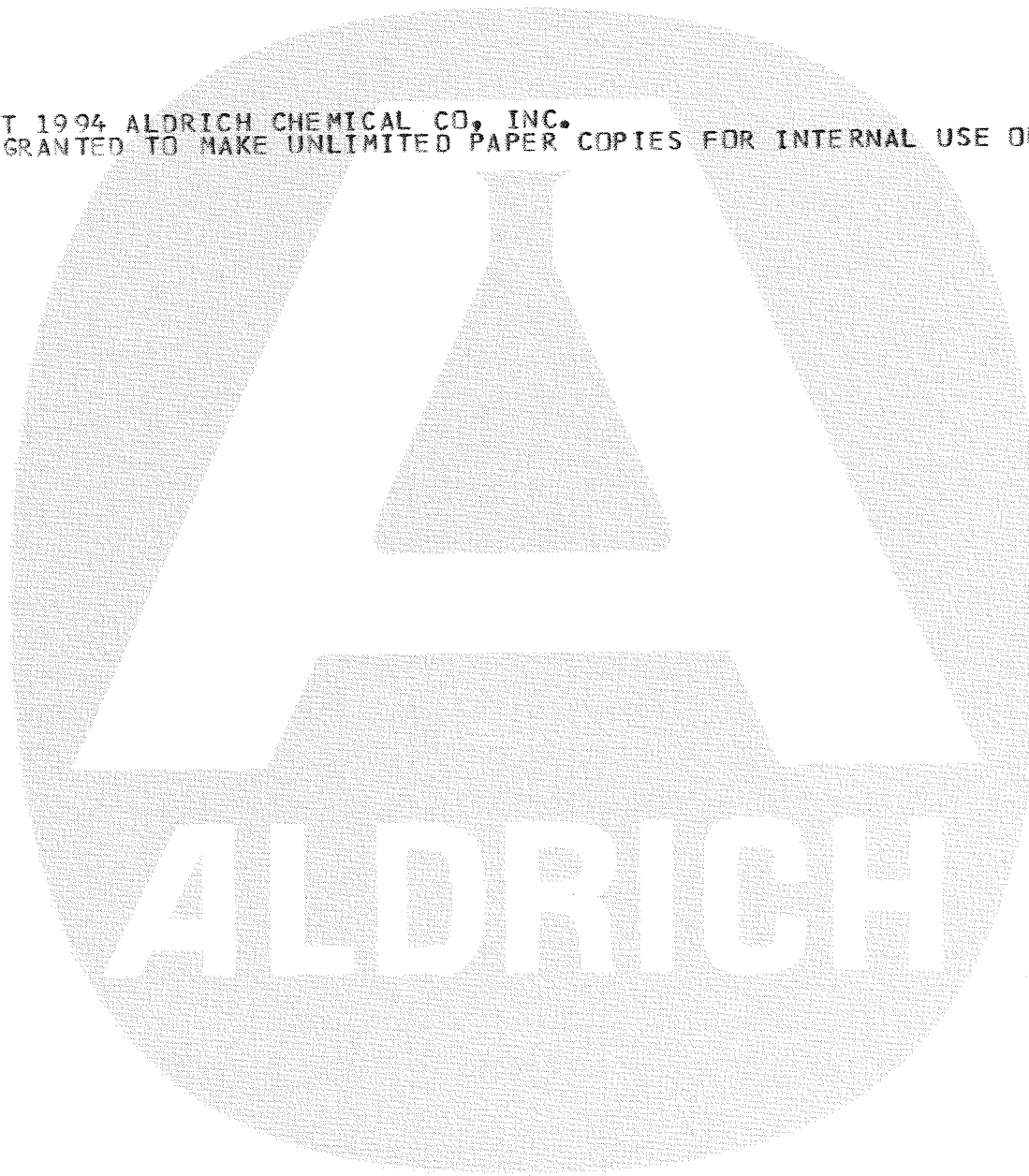
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PRODUCT #: 343323

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B.P. 701
38297 Saint Quentin Fallavier
Cedex
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Castle Hill NSW 2154
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FAX: 028999742