

Valid 11/2002 - 01/2003

Sigma Chemical Co.
P.O. Box 14508
St. Louis, MO 63178 USA
Phone: 314-771-5765

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 #: C6763
NAME: CALCIUM CARBONATE

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

CAS #: 471-34-1
MF: CCAO3
EC NO: 207-439-9

SYNONYMS

AEROMATT * AKADAMA * ALBACAR * ALBACAR 5970 * ALBAFIL * ALBAGLOS *
ALBAGLOS SF * ALLIED WHITING * ATOMIT * ATOMITE * AX 363 * BF 200 *
BRILLIANT 15 * BRILLIANT 1500 * BRITOMYA M * BRITOMYA S * CALCENE CO *
CALCENE NC * CALCENE TM * CALCICOLL * CALCIDAR 40 * CALCILIT 8 *
CALCILIT 100 * CALCIUM CARBONATE (1:1) * CALCIUM MONOCARBONATE *
CALIBRITE * CAL-LIGHT SA * CALMOS * CALMOTE * CALOFIL A 4 * CALOFIL B
1 * CALOFIL E 2 * CALOFORT S * CALOFORT U * CALOFOR U 50 * CALOPAKE F
* CALOPAKE FS * CALOPAKE H * CALOPAKE HIGH OPACITY * CALOPAKE PC *
CALSEEDS * CALTEC * CAMEL-CARB * CAMEL-TEX * CAMEL-WITE * CARBITAL 90
* CARBIUM * CARBIUM MM * CARBOREX 2 * CARUSIS P * CCC G-WHITE * CCC
NO.AA OOLITIC * CCR * CCW * CHEMCARB * CLEFNON * C.I. PIGMENT WHITE
18 * CRYSTIC PREFIL S * DACOTE * DOMAR * DURAMITE * DURCAL 10 *
DURCAL 40 * DURCAL C 640305 * DURCAL 2NH * EGRI M 5 * ESKALON 100 *
ESKALON 200 * ESKALON 400 * ESKALON 800 * ESKALON 1500 * FILTEX WHITE
BASE * FINNCARB 6002 * GAROLITE SA * GILDER'S WHITING * HAKUENKA CC *
HAKUENKA CCR * HAKUENKA DD * HAKUENKA O * HAKUENKA PX * HAKUENKA PZ *
HAKUENKA R 06 * HAKUENKA T-DD * HOMOCAL D * HYDROCARB 60 * HYDROCARB
65 * K 250 * KOTAMITE * KREDAFIL 150 EXTRA * KREDAFIL RM 5 * KS 500 *
KS 1300 * KS 1500 * KS 1800 * KS 2100 * KULU 40 * LEVIGATED CHALK *
MARBLEWHITE 325 * MARFIL * MC-T * MICROCARB * MICROMIC CR 16 *
MICROMYA * MICROWHITE 25 * MONOCALCIUM CARBONATE * MSK-C * MSK-G *
MSK-K * MSK-P * MSK-PO * MSK-V * MULTIFLEX MM * MULTIFLEX SC * N 34 *
N 43 * NCC 45 * NCC-P * NEOANTICID * NEOLITE F * NEOLITE SP * NEOLITE
TPS * NON-FER-AL * NS * NS (CARBONATE) * NS 100 * NS 100 (CARBONATE) *
NS 200 * NS 200 (FILLER) * NS 400 * NS 2500 * NZ * OA-A 1102 * OMYA *
OMYA BLH * OMYA BLP 2 * OMYA BLP 3 * OMYA BLR 3 * OMYA BLRZ * OMYA
BBSH * OMYACARB F * OMYA D 40 * OMYA EXH 1 * OMYALENE G 200 *
OMYALITE 90 * OMYALITE BL * OS-CAL * PIGMENT WHITE 18 * P-LITE 500 *
P-LITE 700 * POLCARB * PREPARED CHALK * PS 100 * PS 100 (CARBONATE) *
PURECAL * PURECALO * PURECAL SC * PURECAL T * PURECAL U * PZ * PZ
(CARBONATE) * QUEENSGATE WHITING * RED BALL * R JUTAN * ROYAL WHITE
LIGHT * RX 2557 * RX 2558 * RX 2559 * SHIPRON A * SILVER W * SL 700 *
SMITHKO KALKARB WHITING * SNOWCAL * SNOWCAL 70 * SNOWCAL 6ML *
SNOWCAL 7ML * SNOWFLAKE WHITE * SNOW TOP * SOCIAL * SOCIAL D * SOCIAL E
2 * SOCIAL N 2 * SOCIAL N 2S1 * SOCIAL P 2 * SOCIAL U 1 * SOCIAL U 3 *
SOCAL U 1S2 * SOFTON 1000 * SOFTON 1200 * SOFTON 1500 * SOFTON 1800 *
SOFTON 2200 * SOFTON H * SS 30 * SS 30 (CARBONATE) * SS 50 * SS 50
(CARBONATE) * SSB 100 * STANWHITE 500 * STURCAL D * STURCAL H *
STURCAL L * STURCAL LS * STURCAL M * STURCAL X * SUNLIGHT 700 *
SUNLIGHT 800 * SUPER 1500 * SUPER 1700 * SUPER 2000 * SUPERCOAT *
SUPERMITE * SUPER MULTIFEX * SUPER-PFLEX * SUPER 3S * SUPER 5S *
SUPER SSS * SURFEX MM * SURFIL S * SUSPENSO * SYLACAUGA 88B * T 130-
2500 * TAMA PEARL TP 121 * TAMA PEARL TP 262 * TANCAL 100 * TANCAL
200 * TANCAL PC * TM 1 * TM 1 (FILLER) * TONASO * TOYOFINE TF-X * TP

121 * TP 121 (FILLER) * TP 222 * TP 121 H * TP 222HS * ULTRA-PFLEX *
UNIBUR 70 * VEVEONE * VICRON * VICRON 31-6 * VICRON 41-8 * VICRON 15-
15 * VICRON 25-11 * VIENNA WHITE * VIGOT 15 * WHICA BA * WHITCARB W *
WHITE-POWDER * WHITING * WHITON 450 * WHITON 1500 * WHITON B * WHITON
H * WHITON P 10 * WHITON P 30 * WHITON P 50 * WHITON S * WHITON SB *
WHITON SO * WHITON SS * WHITON SSB * WINNOFIL S * WITCARB * WITCARB P
* WITCARB R * WITCARB RC * WITCARB REGULAR * YORK WHITE * ZG 301 *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -
LABEL PRECAUTIONARY STATEMENTS

IRRITANT
IRRITATING TO RESPIRATORY SYSTEM AND SKIN.
RISK OF SERIOUS DAMAGE TO EYES.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
WEAR EYE/FACE PROTECTION.
HYGROSCOPIC

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 CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.

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
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.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
WASH THOROUGHLY AFTER HANDLING.
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.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

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

SOLID.
PHYSICAL PROPERTIES
MELTING POINT: 800 C
SOLUBILITY:
WATER -Z1077
SPECIFIC GRAVITY: 2.93
PH: 8

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

STABLE.
 INCOMPATIBILITIES
 PROTECT FROM MOISTURE.
 STRONG OXIDIZING AGENTS
 ACIDS
 MAGNESIUM
 ALUMINUM
 HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
 CARBON MONOXIDE, CARBON DIOXIDE
 CADMIUM/CADMIUM OXIDES
 HAZARDOUS POLYMERIZATION
 WILL NOT OCCUR.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -
 ACUTE EFFECTS
 CAUSES SKIN IRRITATION.
 MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
 CAUSES SEVERE EYE IRRITATION.
 MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
 RESPIRATORY TRACT.
 MAY BE HARMFUL IF INHALED.
 MAY BE HARMFUL IF SWALLOWED.
 TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
 TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: FF9335000
 CARBONIC ACID, CALCIUM SALT (1:1)

IRRITATION DATA

SKN-RBT 500 MG/24H MOD	28ZPAK -,267,1972
EYE-RBT 750 UG/24H SEV	28ZPAK -,267,1972

TOXICITY DATA

ORL-RAT LD50:6450 MG/KG	28ZPAK -,267,1972
-------------------------	-------------------

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 - - - - -
 CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF
 THIS MATERIAL.
 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
 IRRITANT
 R 37/38
 IRRITATING TO RESPIRATORY SYSTEM AND SKIN.
 R 41
 RISK OF SERIOUS DAMAGE TO EYES.
 S 26
 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
 WATER AND SEEK MEDICAL ADVICE.
 S 39
 WEAR EYE/FACE PROTECTION.

REVIEWS, STANDARDS, AND REGULATIONS
 OEL=MAK
 NOHS 1974: HZD M0841; NIS 17; TNF 1433; NOS 12; TNE 18263
 NOHS 1974: HZD 15705; NIS 338; TNF 80902; NOS 189; TNE 1002651
 NOES 1983: HZD X6785; NIS 7; TNF 1255; NOS 16; TNE 20008; TFE 656
 NOES 1983: HZD X9060; NIS 4; TNF 292; NOS 4; TNE 6239; TFE 2955
 NOES 1983: HZD 15705; NIS 392; TNF 131230; NOS 237; TNE 2341639; TFE
 392183
 EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
 EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001
NIOSH ANALYTICAL METHOD, 1994: CALCIUM AND COMPOUNDS, 7020
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. SIGMA, ALDRICH,
FLUKA 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.
COPYRIGHT 2001 SIGMA-ALDRICH CO.
LICENSE GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY