



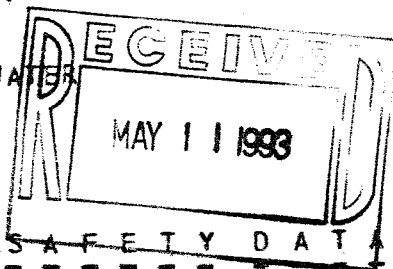
chemists helping chemists in research & industry

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DATE: 05/03/93
CUST#: 523216
PO#: QD13717

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 1

IDENTIFICATION

PRODUCT #: 25554-8
CAS #: 10101-41-4 NAME: CALCIUM SULFATE DIHYDRATE, 98%, A.C.S.
MF: CAD4S REAGENT

SYNONYMS

ANNALINE * C.I. 77231 * COMPACTROL * LIGHT SPAR * MAGNESIA WHITE *
MINERAL WHITE * NATIVE CALCIUM SULFATE * PRECIPITATED CALCIUM SULFATE *
* SATINITE * SATIN SPAR * SULFURIC ACID, CALCIUM(2+) SALT, DIHYDRATE *
TERRA ALBA *

TOXICITY HAZARDS

RTECS #: EW415000
CALCIUM(II) SULFATE, DIHYDRATE (1:1:2)

REVIEWS, STANDARDS, AND REGULATIONS

MSHA STANDARD: NUISANCE PARTICULATES DTLWS* 3,20,73
OEL-SWITZERLAND: TWA 6 MG/M3 JANUARY 1993
OEL-THE NETHERLANDS: TWA 10 MG/M3 JANUARY 1993
OEL-UNITED KINGDOM: TWA 10 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
NOES 1983: HZD X2676; NIS 18; TNF 3076; NDS 32; TNE 37518; TFE 5940

ADDITIONAL INFORMATION

ACGIH TLV-TWA: 10 MG/M3, TOTAL DUST. OSHA PEL: TWA 15 MG/M3, TOTAL
DUST. OSHA PEL: TWA 5 MG/M3, RESPIRABLE FRACTION.
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 BE HARMFUL IF SWALLOWED.
MAY CAUSE IRRITATION.
MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
MAY CAUSE SKIN IRRITATION.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF

CONTINUED ON NEXT PAGE

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--- HEALTH HAZARD DATA ---

WATER FOR AT LEAST 15 MINUTES.
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.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

--- PHYSICAL DATA ---

SPECIFIC GRAVITY: 2.320

APPEARANCE AND ODOR
WHITE POWDER

--- FIRE AND EXPLOSION HAZARD DATA ---

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.

--- REACTIVITY DATA ---

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
PROTECT FROM MOISTURE.

--- SPILL OR LEAK PROCEDURES ---

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

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SPILL OR LEAK PROCEDURES

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
BURY IN A LANDFILL SITE APPROVED FOR THE DISPOSAL OF CHEMICAL AND HAZARDOUS WASTES.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

CHEMICAL SAFETY GOGGLES.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID INHALATION.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
KEEP TIGHTLY CLOSED.
HYGROSCOPIC
STORE IN A COOL DRY PLACE.

LABEL PRECAUTIONARY STATEMENTS

CAUTION:
AVOID CONTACT AND INHALATION.

ADDITIONAL PRECAUTIONS AND COMMENTS

ADDITIONAL INFORMATION

THE CONTACT OF CALCIUM SULFATE WITH DIAZOMETHANE VAPOR RESULTS IN AN EXOTHERM AND MAY LEAD TO DETONATION.

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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