



Curtin Matheson Scientific, Inc.

1225 N MICHAEL DRIVE

WOOD DALE, IL 60191-1019

MATERIAL SAFETY DATA SHEET

MAIL TO: SCHOOLCRAFT COLLEGE

HPS MEMBER
18600 HAGGERTY RD.

LIVONIA, MI 48152-2696

SECTION 1 - NAME AND PRODUCT

MANUFACTURER NAME AND ADDRESS

EM SCIENCE

A DIV OF EM INDUSTRIES

P.O. BOX 70

GIBBSTOWN

NJ 08027

EMERGENCY PHONE 1-800-424-9300(CHEMTREC)

CHEMICAL NUMBER: MCX0265-3

ITEM NUMBER: 0401431

VNDR CATLG NBR:

ENTRY DATE: 02-24-90

CHANGE DATE: 01-02-96

PO NUMBER: 82676

COMMON NAME (ON LABEL)

CALCIUM OXIDE

CHEMICAL FAMILY

INORGANIC SALT

TRADE NAME & SYNONYMS

CALCIUM OXIDE
LIME, QUICKLIME

CHEMICAL FORMULA

CAO

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	CAS	% (WT)	TLV	PEL
CALCIUM OXIDE	1305-78-8	100.00	.000 SEC.5	.000 SEC.5

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists, 1986-87.

OTHER INGREDIENT INFORMATION

-NONE OTHER THAN SPECIFIED PRODUCT.

SECTION 3 - PHYSICAL DATA

BOILING POINT	VOLATILE BY VOLUME (%)	VAPOR PRESSURE
2850C	NONE	N/A
MELTING POINT	VAPOR DENSITY	SOLUBILITY IN WATER
2572C	N/A	REACTS
EVAPORATION RATE (BUAC = 1)	SPECIFIC GRAVITY	
N/A	3.37	

APPEARANCE AND ODOR
WHITE POWDER OR GRANULES

OTHER PHYSICAL DATA
MOLECULAR WEIGHT: 56.08

SECTION 4 - FIRE AND EXPLOSION DATA**FLASH POINT**

NONCOMBUSTIBLE

LOWER EXPLOSIVE LIMIT

N/A

UPPER EXPLOSIVE LIMIT

N/A

EXTINGUISHING MEDIACO₂, DRY CHEMICAL (DO NOT USE WATER UNLESS ABSOLUTELY NECESSARY).**UNUSUAL FIRE AND EXPLOSION HAZARDS**

GENERATES HEAT ON CONTACT WITH WATER POSSIBLY IGNITING ADJACENT COMBUSTIBLE MATERIAL.

SPECIAL FIRE FIGHTING PROCEDURES

FIRE FIGHTING PROC..... WEAR

SELF-CONTAINED BREATHING APPARATUS, PROTECTIVE CLOTHING.

SECTION 5 - HEALTH HAZARD DATA**HEALTH HAZARDS (ACUTE & CHRONIC)**

SEE SIGNS AND SYMPTOMS OF EXPOSURE.

PRIMARY ROUTES OF EXPOSURE

INHALATION, INGESTION OR SKIN CONTACT.

SIGNS AND SYMPTOMS OF EXPOSURE

CAUSES SEVERE IRRITATION ON CONTACT WITH SKIN, EYES, MUCOUS MEMBRANES CONTACT CAN RESULT IN SEVERE EYE BURNS OR SKIN BLISTERS DUST INHALATION CAN RESULT IN PNEUMONIA, LUNG DAMAGE.

SECTION 5 - HEALTH HAZARD DATA (CONTINUED)

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
DATA NOT AVAILABLE.

CARCINOGENICITY

THE MATERIAL IS NOT LISTED AS A CANCER CAUSING AGENT.

NTP ☐ Yes ☒ No

IARC ☐ Yes ☒ No

OSHA ☐ Yes ☒ No

EMERGENCY AND FIRST AID PROCEDURES

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE EYES: IMMEDIATELY
FLUSH THOROUGHLY WITH LARGE AMOUNTS OF WATER SKIN: IMMEDIATELY FLUSH THOROUGHLY WITH
LARGE AMOUNTS OF WATER DUST INHALATION: REMOVE TO FRESH AIR
INGESTION: DO NOT INDUCE VOMITING; GET IMMEDIATE MEDICAL ATTENTION.

THRESHOLD LIMITS / TOXICITY DATA

CALCIUM OXIDE: OSHA-PEL:TWA: 5MG/M3
ACGIH-TLV:TWA: 2MG/M3 TOXICITY DATA: N/A
TOXICOLOGICAL FINDINGS: NONE.
CITED IN REGISTRY OF TOXIC EFFECTS OF SUBSTANCES (RTECS).

SECTION 6 - REACTIVITY DATA

STABILITY Unstable ☐ Stable ☒

CONDITIONS TO AVOID
CONTACT WITH DAMP COMBUSTIBLE MATTER.

INCOMPATIBILITY (MATERIALS TO AVOID)

MATERIALS TO AVOID.....: (X) WATER (X) ACIDS () BASES ()
CORROSIVES () OXIDIZERS (X) OTHER (SPECIFY)-BF3, CLF3, P2O5,
FLUORINE.

SECTION 6 - REACTIVITY DATA (CONTINUED)

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

N/A

HAZARDOUS POLYMERIZATION May Occur ☐ Will Not Occur ☒
CONDITIONS TO AVOID
DATA NOT AVAILABLE.

SECTION 7 - SPILL, LEAK, AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

EVACUATE THE AREA OF ALL UNNECESSARY PERSONNEL. WEAR SUITABLE PROTECTIVE EQUIPMENT LISTED UNDER EXPOSURE/PERSONAL PROTECTION. ELIMINATE ANY IGNITION SOURCES UNTIL THE AREA IS DETERMINED TO BE FREE FROM EXPLOSION OR FIRE HAZARDS. CONTAIN THE RELEASE AND ELIMINATE ITS SOURCE, IF THIS CAN BE DONE WITHOUT RISK. TAKE UP AND CONTAINERIZE FOR PROPER DISPOSAL AS DESCRIBED UNDER DISPOSAL. COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS ON REPORTING RELEASES. REFER TO REGULATORY INFORMATION FOR REPORTABLE QUANTITY AND OTHER REGULATORY DATA.

WASTE DISPOSAL METHOD

EPA WASTE NUMBERS: N/G TREATMENT:

MATERIAL DOES NOT HAVE AN EPA WASTE NUMBER AND IS NOT A LISTED WASTE, HOWEVER CONSULTATION WITH A PERMITTED WASTE DISPOSAL SITE (TSD) SHOULD BE ACCOMPLISHED.
ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 8 - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

SEE OTHER.

LOCAL VENTILATION

SEE OTHER

MECHANICAL VENTILATION

SEE OTHER

SPECIAL VENTILATION

SEE OTHER

SECTION 8 - SPECIAL PROTECTION INFORMATION (CONTINUED)**OTHER VENTILATION**

MATERIAL SHOULD BE HANDLED OR TRANSFERRED IN AN APPROVED FUME HOOD OR WITH ADEQUATE VENTILATION.

PROTECTIVE GLOVES

SEE OTHER.

EYE PROTECTION

SAFETY GLASSES WITH SIDE SHIELDS SHOULD BE WORN AT ALL TIMES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

SEE OTHER.

SECTION 9 - SPECIAL PRECAUTIONS**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

-KEEP CONTAINER CLOSED TIGHTLY STORE IN A

DRY AREA AWAY FROM COMBUSTIBLE MATTER DO NOT BREATHE DUST

DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING

WORK/HYGIENIC PRACTICES: WASH THOROUGHLY AFTER HANDLING. DO NOT TAKE INTERNALLY. EYE WASH AND SAFETY EQUIPMENT SHOULD BE READILY AVAILABLE.

SECTION 10 - OTHER INFORMATION**MISCELLANEOUS INFO.**

HEALTH : 1 FLAMMABILITY : 0 REACTIVITY : 1

SPECIAL HAZARDS: N/A DOT SHIPPING NAME: CALCIUM OXIDE

DOT NUMBER: UN1910

COMMENTS: NONE

TSCA INVENTORY: THE CAS NUMBER OF

THIS PRODUCT IS LISTED ON THE TSCA INVENTORY. LEGEND:

N/A= NOT AVAILABLE

N/G= NOT GIVEN

N/E= NONE ESTABLISHED