
MATERIAL SAFETY DATA SHEET

HELENA LABORATORIES
1530 Lindbergh Dr./P.O. Box 752
Beaumont, TX 77704-0752
USA Toll Free 800-231-5663

DATE PREPARED: 7/8/2010
REVISION: 4

1. IDENTIFICATION:

PRODUCT NAME: MAX-ACT ACT REAGENT TUBES

PRODUCT NO.: MAX-ACT

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2. INGREDIENTS (THE ABOVE KIT CONTAINS THE FOLLOWING ITEMS):

PRODUCT NUMBER PRODUCT IDENTIFICATION (LABEL NAME) COMMENTS

MAX-ACT ACT TUBES, MAX-ACT

HAZARDOUS INGREDIENT CAS # %
CALCINED DIATOMACEOUS EARTH 91053-39-3 <50% MSDS ATTACHED

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ATTACHED IS THE MSDS FOR THE ABOVE NAMED HAZARDOUS INGREDIENT.

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HELENA LABORATORIES
1530 Lindbergh Dr./P.O. Box 752
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DATE PREPARED: 12/4/2009
REVISION: 3

1. IDENTIFICATION:

NAME: CALCINED DIATOMACEOUS EARTH

CAS #: 91053-39-3

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2. HAZARDOUS INGREDIENTS:

CHEMICAL NAME/COMMON NAME % EXPOSURE LIMITS
CAS # OSHA PEL ACGIH TLV

THIS PRODUCT MAY CONTAIN UP TO 9% CRYSTALLINE SILICA:

Table with 5 columns: Chemical Name, CAS #, % Crystalline Silica, Exposure Limit (OSHA PEL), and Exposure Limit (ACGIH TLV). Rows include CRISTOBALITE and QUARTZ.

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NA = Not Applicable
NL = Not Listed

NE = Not Established
NIF = No Information Found

3. HAZARD IDENTIFICATION:

SUMMARY: THIS PRODUCT MAY CONTAIN CRYSTALLINE SILICA (CS) WHICH IS CONSIDERED A HAZARD BY INHALATION. IARC HAS CLASSIFIED INHALATION OF CS AS CARCINOGEN FOR HUMANS (GROUP 1). CS IS LISTED BY HTP AS A KNOWN HUMAN CARCINOGEN. INHALATION OF CS IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASE SUCH AS, BUT NOT LIMITED TO BRONCHITIS, EMPHYSEMA AND ASTHMA.

TARGET ORGAN(S): LUNGS, EYES

ACUTE HEALTH EFFECTS: TRANSITORY UPPER RESPIRATORY OR EYE IRRITATION.

CHRONIC HEALTH EFFECTS: INHALATION OF CRYSTALLINE SILICA HAS BEEN CLASSIFIED BY IARC AS CARCINOGEN FOR HUMANS (GROUP 1). INHALATION OF IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE CAUSED BY EXCESSIVE EXPOSURE TO CRYSTALLINE SILICA.

PRIMARY ROUTE(S): INHALATION, DUST CONTACT WITH EYES.

CARCINOGENICITY: NTP? X IARC? X PROBABLY CARCINOGENIC FOR HUMANS

INHALATION: IRRITATION AND SORENESS IN THROAT AND NOSE. IN EXTREME EXPOSURES SOME CONGESTION MAY OCCUR.

EYES: TEMPORARY IRRITATION OR INFLAMMATION.

SKIN CONTACT: NA SKIN ABSORPTION: NA INGESTION: NOT HAZARDOUS WHEN INGESTED

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4. FIRST AID MEASURES:

INHALATION: REMOVE TO FRESH AIR. DRINK WATER TO CLEAR THROAT AND BLOW NOSE TO EVACUATE DUST.

EYES: FLUSH EYES WITH LARGE QUANTITIES OF WATER. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

SKIN CONTACT: NA SKIN ABSORPTION: NA INGESTION: NA

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5. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT (METHOD USE):

FLAMMABLE LIMITS: LEL NA UEL NA

EXTINGUISHING MEDIA: NA

SPECIAL FIRE FIGHTING PROCEDURES: NONE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

6. ACCIDENTAL RELEASE MEASURES:

PROCEDURES FOR SPILL/LEAK: VACUUM CLEAN DUST WITH EQUIPMENT FITTED WITH HEPA FILTRE. USE A DUST SUPPRESSANT SUCH AS WATER IF SWEEPING IS NECESSARY.

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7. HANDLING AND STORAGE:

MINIMIZE DUST GENERATION AND SCCUMULATION. AVOID BREATHING DUST, AVOID CONTACT WITH EYES. SEAL BROKEN BAGS IMMEDIATELY. CONTINUE TO FOLLOW ALL MSDS/LABEL WARNINGS WHEN HANDLING EMPTY CONTAINERS.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION:

GOGGLES: GOGGLES OR SAFETY GLASSES WITH SIDESHIELDS ARE RECOMMENDED.

GLOVES: NOT NORMALLY REQUIRED

RESPIRATOR: <10X PEL, USE AN N95 QUARTER OF HALF MASK RESPIRATOR; <50X PEL, USE A FULL FACE RESPIRATOR EQUIPPED WITH N95 FILTERS; <200X PEL, ISE A POWERED AIR PURIFYING RESPIRATOR (POSITIVE PRESSURE) WITH N95 FILTERS; >200X PEL, USE A FULL FACE, TYPE C SUPPLIED AIR RESPIRATOR (CONTINUOS FLOW MODE).

VENTILATION: USE SUFFICIENT NATURAL OR MECHANICAL VENTILATION TO KEEP DUST BELOW PEL.

OTHER: SPECIAL CONSIDERATIONS FOR REPAIR/MAINTENANCE OF CONTAMINATES EQUIPMENT: INSURE PROPER RESPIRATORY PROTECTION.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE AND ODOOR: FINE PINK POWDER, NO ODOR.

Table with 4 columns: BOILING POINT, EVAPORATION RATE, SPECIFIC GRAVITY, VAPOR PRESSURE, MELTING POINT, % VOLATILE BY VOLUME, WATER SOLUBILITY, VAPOR DENSITY, pH.

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10. STABILITY AND REACTIVITY:

MATERIAL IS STABLE. HAZARDOUS POLYMERIZATION CANNOT OCCUR.

CHEMICAL INCOMPATIBILITIES: HYDROFLUORIC ACID. CONDITIONS TO AVOID: NONE IN DESIGNED USE

11. TOXICOLOGICAL INFORMATION:

SUMMARY: THIS PRODUCT CONTAINS CRYSTALLINE SILICA (CS), WHICH IS CONSIDERED A HAZARD BY INHALTION. IARC HAS CLASSIFIED CS AS A CARCINOGEN FOR HUMAN (GROUP 1). CS IS LISTED BY NTP AS A KNOWN HUMAN CARCINOGEN. CS IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE.

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12. ECOLOGICAL INFORMATION:

GENERALLY CONSIDERED CHEMICALLY INERT IN THE ENVIRONMENT. USED MATERIAL WHICH HAS BECOME CONTAMINATED MAY HAVE INSIGNIFICANTLY DIFFERENT CHARACTERISTICS BASED ON THE CONTAININANT AND SHOULD BE EVALUATED ACCORDINGLY.

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13. DISPOSAL CONSIDERATIONS:

WASTE IS NOT HAZARDOUS AS DEFINED BY RCRA (40 CFR 261). OTHER STATE AND LOCAL REGUALTIONS MAY VARY, CONSULT LOCAL AGENCIES AS NEEDED. USED MATERIAL WHICH HAS BECOME CONTAMINATED MAY HAVE SIGNIFICANTLY DIFFERENT CHARACTERISITICS BASED ON THE CONTAMINANTS AND SHOULD BE EVALUATED ACCORDINGLY.

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14. TRANSPORTATION INFORMATION:

D.O.T. PROPER SHIPPING NAME: EARTH, DIATOMACEOUS, CRUDE OR GROUND HAZARD CLASSIFICATION: NOT CLASSIFIED

REPORTABLE QUANTITIES: NA UN (UNITED NATIONS), NA (NORTH AMERICA) NUMBER: NA

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15. REGULATORY INFORMATION:

OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200: MATERIAL IS CONSIDERED HAZARDOUS, SEE SECTION 3.

RCRA: THIS MATERIAL IS DEFINED AS HAZARDOUS WASTER PER 40 CFR 261.

TSCA: THIS MATERIAL IS LISTED IN TSCA INVENTORY, AND IS NOT OTHERWISE REGULATED BY TSCA SEC. 4, 5, 6, 7 OR 12.

CERCLA: MATERIAL IS NOT REPORTABLE UNDER CERCLA, LOCAL REQUIREMENTS MAY VARY.

SARA: 311/312 HAZARD CATAGORIES - IMMEDIATE AND DELAYED HEALTH, 313 REPORTABLE INGREDIENTS - NONE.

CANADA: THIS PRODUCT IS LISTED ON THE DSL.

CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS CHEMICALS KNOWN TH THE STATE OF CALIFORNIA TO CAUSE CANCER.

16. OTHER INFORMATION:

STORAGE SEGREGATION HAZARD CALSSES: NA

SPECIAL HANDLING/STORAGE: REPAIR ALL BROKEN BAGS IMMEDIATELY.

SPECIAL WORKPLACE ENGINEERING CONTROLS: ADEQUATE VENTILATION TO KEEP DUST LEVEL BELOW PEL.

The information herein is given in good faith but no warranty, expressed or implied, is made.