



MATERIAL SAFETY DATA SHEET

Product:**062819 ASE ® Prep DE****Diatomaceous Earth (1 KG)**

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The following information is believed to be accurate and is currently the best information available to us. However, we make no warranties, express or implied, with respect to the information supplied and we assume no liability resulting from its use.

2. HAZARDOUS IDENTIFICATION

| HAZARD CLASS | irritant | | NFPA | HMIS |
|--------------------|----------|---------------------|------|------|
| Eyes: | irritant | HEALTH | 2 | 2 |
| Skin: | NA | FLAMMABILITY | 0 | 0 |
| Ingestion: | NA | REACTIVITY | 0 | 0 |
| Inhalation: | irritant | NFPA SPECIAL | - | - |
| | | HMIS PPE | | |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS COMPONENTS | Calcined Diatomaceous Earth (SiO ₂) | Cristobalite | Quartz | | | |
|----------------------|---|--------------------------|------------|---|---|---|
| PERCENT (%) | 100 | <50 | <4 | 0 | 0 | 0 |
| CAS NO. | 68855-54-9 | 14464-46-1 | 14808-60-7 | | | |
| EINECS NO. | | | | | | |
| RISKS | R20, R46/37 R45 | R22, R20, R46/37 R45 | | | | |
| SAFETY | S20, S26, S36 | S20, S26, S36/37/39, S45 | | | | |



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4. FIRST AID MEASURES

- GENERAL:** Remove contaminated clothing, wash thoroughly before reuse.
- EYES:** Flush with large quantities of water for at least 15 minutes occasionally raising upper and lower eyelids. If irritation persists consult a physician.
- SKIN:** NA
- INHALATION:** Move to fresh air , drink water to clear throat and blow nose to evacuate dust
- INGESTION:** NA, If large amounts are swallowed, get medical help immediately

5. FIRE FIGHTING MEASURES

- UNUSUAL FIRE AND EXPLOSION:** None
- HAZARDS:** Not Applicable
- EXTINGUISHING MEDIA:** Noncombustible
- SPECIAL FIRE FIGHTING PROCEDURES:** None

6. ACCIDENTAL RELEASE MEASURES

- Vacuum clean dust with equipment fitted with HEPA filter.
Use a dust suppressant such as water if sweeping is necessary.
Ventilate area.
Wear appropriate protective clothing and eye protection.
Contain spill.
Collect or absorb with an inert material (vermiculite, dry sand, earth, etc.)
Mop up and store in a suitable waste container.
Wash contaminated areas with soap and water.

7. HANDLING AND STORAGE

- Minimize dust generation and accumulation.
Avoid breathing dust.
Avoid contact with eyes.
Seal broken bags immediately.
Ensure good ventilation.
Have an eye wash in the immediate area in case of emergency.
Store at room temperature
Keep container tightly closed
Use good laboratory practice when working with any chemical whether it is considered hazardous or not.
Continue to follow MSDS/Label warning when handling empty containers.



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8. EXPOSURE CONTROL/PERSONAL PROTECTION

ROUTES OF ENTRY

INHALATION: Yes

SKIN: No

INGESTION: Yes

HEALTH HAZARDS

ACUTE: Transitory upper respiratory or eye irritation

CHRONIC: Inhalation of crystalline silica has been classified by IARC as carcinogenic humans (group 1). Inhalation of crystalline silica also known cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica

VENTILATION

LOCAL EXHAUST: Good laboratory ventilation is acceptable.

MECHANICAL (GENERAL): Use in hoods if possible

SPECIAL: None

OTHER: None

PROTECTIVE CLOTHING OR EQUIPMENT

GLOVES: Disposable laboratory gloves are adequate

EYE PROTECTION: Glasses or goggles.

RESPIRATORY: <10X PEL, use an N95 quarter or half mask respirator; <50X PEL, use a full face respirator equipped with N95 filters; <200X PEL, use a powered air purifying respirator (positive presser) with N95 filters; >200X PEL, use a full face, type C supplied air respirator (continuous flow mode)

OTHER: Lab coats

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Fine white powder

ODOR: None

pH: 9-10.5 Aqueous slurry

MOLECULAR WEIGHT: Not Applicable

MELTING POINT: Undetermined

BOILING POINT: Not Applicable

AUTOIGNITION TEMPERATURE: Not Applicable

FLASH POINT: Not Applicable

LOWER EXPLOSION LIMIT: Not Applicable

UPPER EXPLOSION LIMIT: Not Applicable

WATER SOLUBILITY (%): Negligible

SPECIFIC GRAVITY: 2.3



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10. STABILITY & REACTIVITY

STABILITY/CONDITIONS TO AVOID: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Hydrofluoric acid (HF)

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGY INFORMATION

PRODUCT TOXICOLOGY INFORMATION:

SYMPTOMS AND SIGNS OF EXPOSURE: May cause minor soreness or redness of eyes or mucous membranes.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown

EMERGENCY AND FIRST AID PROCEDURES: In case of contact, wash skin with copious amounts of water.
Flush eyes with copious amounts of water for at least 15 minutes.
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Submit to medical examination.

CARCINOGENICITY: Carcinogen

RTECS #: No data found

ACGIH TLV TWA: See below

OSHA PEL: See below

NTP: No data found

IARC Monographs: No data found

HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

| Hazardous Components: | Calcined Diatomaceous Earth | Cristobalite | Quartz |
|-----------------------|-----------------------------|---|---|
| RTECS # | | | |
| OSHA PEL | 6 mg/m ³ TWA | 0.05 mg/m ³ TWA, respirable fraction | 0.1 mg/m ³ TWA, respirable fraction |
| ACGIH TLV | 10 mg/m ³ TWA | 0.05 mg/m ³ TWA, respirable fraction | 0.05 mg/m ³ TWA, respirable fraction |
| TOXICITY DATA | carcinogen | carcinogen | carcinogen |



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12. ECOLOGICAL INFORMATION

Generally considered chemically inert in the environment. Used material which has become contaminated may have significantly different characteristics based on the contaminant and should be evaluated accordingly.

13. DISPOSAL CONSIDERATIONS

Waste is not hazardous as defined by RCRA (40CFR 261). Contact local hazardous materials or chemical waste disposal agency for regulations. Used material which has become contaminated may have significantly different characteristics based on the contaminant and should be evaluated accordingly.

14. TRANSPORT INFORMATION

D.O.T proper shipping name : Earth, Diatomaceous, crude or ground **Hazardous Classification :** Not classified
Reportable Quantities : Not Applicable, UN (United Nations), NA (North America) Number : Not Applicable

IATA CLASSIFICATION: Not regulated

UN ID NUMBER:

PROPER SHIPPING NAME:

CLASS OR DIVISION:

HAZARD LABEL(S):

PACKAGING GROUP:

LIMITED QUANTITY PKG INSTRUCTION:

MAXIMUM LIMITED QUANTITY:

SPECIAL PROVISIONS:

ERG CODE:

TRAINING:

VARIATIONS:

15. REGULATORY INFORMATION

PRODUCT RISK STATEMENTS: R20 Harmful by inhalation
R36/37 Irritating to eyes and respiratory system
R45 May cause cancer

PRODUCT SAFETY STATEMENTS: S22 Do not breathe dust
S24 Avoid contact with the skin
S25 Avoid contact with the eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36 Wear suitable protective clothing
S37 Wear suitable gloves
S45 In case of accident or if you feel unwell, seek medical advice immediately

16. OTHER INFORMATION