

SAFETY DATA SHEET

SECTION 1.

COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

Company Name: Lawrence Factor, Inc.
Address: 4790 NW 157 Street, Miami Lakes, FL 33014
Phone / Fax: 305-430-0550 / 305-430-0864

Chemical Name: 4A Molecular Sieve / Zeolite, Synthetic
Product Use: Desiccant

SECTION 2.

HAZARDS IDENTIFICATION

Potential Health Effects:

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion or inhalation.

Potential Chronic Health Effects:

3 (Not classifiable for human.) by IARC
Carcinogenic Effects..... No Available
Mutagenic Effects Not Available
Teratogenic Effects Not Available
Developmental Toxicity Not Available

The substance may be toxic to lungs. Repeated or prolonged exposure to the substance can produce target organ(s) damage.

SECTION 3.

COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient: 4A, Zeolite, Synthetic
CAS No: 1344-00-9

SECTION 4.

FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact Not Available

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation Not Available

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, get medical attention immediately. Loosen tight clothing such as a collar, tie or belt.

SECTION 5.

FIRE AND EXPLOSION DATA

Flammability of Product.... Non-Flammable
Flash Points Not Applicable
Fire Hazards in Presence
of Various Substances..... Not Applicable

Auto-Ignition Temp Not Applicable
Flammable Limits Not Applicable
Product of Combusting..... Not Available

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Health	1
Fire	0
Physical Hazard	1
Personal Protection	F



Explosion Hazards in Presence of Various Substances:

Risk of explosion of the product in presence of mechanical impact Not Available
 Risk of explosion of the product in presence of static discharge Not Available

Fire Fighting Media and Instructions Not Applicable
 Special Remarks on Fire Hazards Powerful oxides may cause fire. [Quartz]
 Special Remarks on Explosion Hazards..... Powerful oxides or metals may cause explosions.
 [Quartz]

SECTION 6.

ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7.

SAFE HANDLING AND STORAGE

Storage: Keep in a tightly closed container suitable for any general chemical storage area. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

SECTION 8.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses, gloves, lab coat, and NIOSH approved dust respirator/mask.

Personal Protection In Case of Large Spills: Splash goggles, full suit, dust respirator, boots, gloves, and a self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Exposure Limits: Not Available

SECTION 9.

PHYSICAL AND CHEMICAL PROPERTIES

Physical StateSolid Beads	Specific Gravity... 2.1 (Water=1)
OdorOdorless	Vapor Pressure ... Not Applicable
Taste.....Not Available	Vapor Density Not Available
Molecular WeightNot Available	Volatility Not Available
Color.....White / Grey	Odor Threshold .. Not Available
pH (1% soln/water)Not Applicable	H ₂ O/Oil Dist Coeff..... Not Available
Boiling PointNot Available	Ionicity (In Water) Not Available
Melting Point.....Not Available	Dispersion Prop. . Not Available
Critical TemperatureNot Available	Solubility..... Not Available

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Health	1
Fire	0
Physical Hazard	1
Personal Protection	F



SECTION 10. STABILITY AND REACTIVITY DATA

Chemical Stability: The product is stable.

Instability Temperature: Not Available

Conditions of Instability: Incompatible materials, moisture (absorbs water with evolution of heat), dust generation.

Incompatibility With Various Substances: Slightly reactive to reactive with moisture.

Corrosivity: Not Available

Special Remarks On Reactivity: Hygroscopic; reacts with water to evolve heat.

Incompatibility with Powerful Oxidizers: Fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride, hydrogen peroxide, etc . . . Incompatible with acetylene and ammonia. This chemical is attacked by Hydrogen Fluoride. Silica will dissolve in Hydrofluoric Acid and produce the corrosive gas Silicon Tetrafluoride (SiF4). [Quartz]

Special Remarks On Corrosivity: Not Available

Polymerization: Yes

SECTION 11. TOXICOLOGICAL INFORMATION

Possible Routes of Entry: Absorbed through skin, eye contact, inhalation and ingestion.

Toxicity to Animals:

LD50Not Available
LC50Not Available

Special Remarks On Toxicity to Animals: Not Available

Chronic Effects on Humans:

Carcinogenic: 3 (Not classifiable for human) by IARC. May cause damage to lungs.
Other Toxic Effects: Slightly hazardous in case of skin contact, ingestion, or inhalation.

Special Remarks on:

Chronic Effects on Humans: May contain up to 3% crystalline quartz which has been determine to be an IARC class 1 carcinogen.
Other Toxic Effects: Not Available

Acute/Chronic Potential Health Effects:

SkinMay cause skin irritation. The product gets hot as it adsorbs water. Burns to moist or wet skin tissue may result if contact is prolonged.

Eyes.....Dust may cause eye irritation.

IngestionThe product gets hot as it first adsorbs water. Burns to moist body tissues may result if contact is prolonged.

Inhalation.....Exposure to dust particles generated from this material may cause irritation of the respiratory tract and may cause lung damage (silicosis, etc.) / Cancer. Repeated and prolonged inhalation of crystalline silica in the form of quartz from occupational sources may cause CANCER.

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Health	1
Fire	0
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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

BOD5 & COD: Not Available

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of BiodegradationNot Available

Special Remarks on Products of BiodegradationNot Available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14. TRANSPORT INFORMATION

DOT Classification: Not a DOT controlled material (United States).

Identification: Not Applicable

Special Provisions For Transport: Not Applicable

SECTION 15. REGULATORY INFORMATION

Federal and State Regulations – CA, MA, NJ, PA: Siliporite

Other Classifications:

WHMIS (Canada)Not controlled under WHMIS (Canada).

DSCL (EEC)This product is not classified according to the EU regulations. Not Applicable.

HMIS® (USA)	NFPA® (USA)
Health Hazard1	Health 1
Fire Hazard0	Flammability 0
Physical Hazard1	Reactivity 1
Personal Protection.....F	

Personal Protection: Safety glasses, gloves and National Institute for Occupational Safety and Health (NIOSH) approved dust respirator/mask.

HMIS® and NFPA® ratings involve data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this SDS must be considered.

Toxic Substances Control Act (TSCA): All ingredients of this mixture are listed in the TSCA Chemical Substance Inventory.

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Health	1
Fire	0
Physical Hazard	1
Personal Protection	F



- The information and recommendations set forth herein are believed to be accurate as of the date hereof. We make no warranty with respect thereto and disclaim all liability from reliance thereon.
- Container labeling-uses Hazardous Materials Identification System (HMIS®). Hazardous Index under this system rates degree of hazard from 0 to 4 in each category:
 - 0 = minimal hazard
 - 1 = slight hazard
 - 2 = moderate hazard
 - 3 = serious hazard

SECTION 16.

OTHER INFORMATION

References:

Not Available

Other Considerations:

Not Available

Product emergencies:

If you have a product-related emergency, resulting in an accident such as a spill or release of product or human exposure and need assistance from Lawrence Factor, please contact the following number:

LAWRENCE FACTOR, INC. 800-338-5493 or 305-430-0550

General:

The data and recommendations presented in this data sheet concerning the use of our product and the materials contained therein are believed to be accurate and are based on information which is considered reliable as of the date hereof. However, the customer should determine the suitability of such materials for his purpose before adopting them on a commercial scale. Since the use of our products by others is beyond our control, no guarantee, express or implied, is made and no responsibility assumed for the use of this material or the results to be obtained there from. Information on this form is furnished for the purpose of compliance with Government Health and Safety Regulations and shall not be used for any other purposes. Moreover, the recommendations contained in this data sheet are not to be construed as a license to operate under, or a recommendation to infringe, any existing patents, nor should they be confused with state, municipal or insurance requirements, or with national safety codes.

CAUTION: the user must be aware that this does not necessarily apply to spent product. Depending on the application, significant amounts of regulated, dangerous, hazardous or toxic materials may be adsorbed during normal use. Adsorbed substances can be released during subsequent handling and disposal, especially upon exposure to moisture or heat. The user needs to take appropriate measures for the safe handling and disposal of used product.

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