

MATERIAL SAFETY DATA SHEET

EM SCIENCE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer.....: EM SCIENCE
A Division of EM Industries
P.O. Box 70
480 Democrat Road
Gibbstown, N.J. 08027

Preparation Date.: 3/1/91

Information Phone Number.: 856-423-6300
Hours: Mon. to Fri. 8:30-5
Chemtrec Emergency Number: 800-424-9300
Hours: 24 hrs a day

Catalog Number(s):

CX0635

Product Name:

Charcoal, Animal

Synonyms:

Bone Black

Chemical Family:

Inorganic Salt Mixture

Formula:

Mixture of C and $\text{Ca}_3(\text{PO}_4)_2$

Molecular Weight.:

N/A

2. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS # | Appr % |
|------------------|-----------|--------|
| Charcoal, Animal | 8021-99-6 | 100% |

Contains 12% Carbon (CAS# 7440-44-0) and 88% Tricalcium Phosphate (CAS# 7758-87-4).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Combustible Solid.

Appearance:

Black to dark gray powder; odorless

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)

Symptoms of Exposure:

Inhalation of dust may cause some irritation of nasal and respiratory passages. Contact with skin and eyes may cause irritation.

Medical Cond. Aggravated by Exposure:

Data not available.

Routes of Entry:

Inhalation, ingestion

Carcinogenicity:

The material is not listed (IARC, NTP, OSHA) as cancer causing agent.

4. FIRST AID MEASURES

Emergency First Aid:

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Skin: Wash thoroughly with soap and water.

Eyes: Immediately flush thoroughly with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion: Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (F): None

Flammable Limits LEL (%): N/A

Flammable Limits UEL (%): N/A

Extinguishing Media:

Water spray or foam.

Fire Fighting Procedures:

Wear self-contained breathing apparatus.

Fire & Explosion Hazards:

Burns like charcoal when ignited by open flame.

6. ACCIDENTAL RELEASE MEASURES

Spill Response:

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.

7. HANDLING AND STORAGE

Handling &Storage:

Store at controlled room temperature. Store separate from heat, ignition sources and oxidizers. Do not breathe dust. Do not get in eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:

Material should be handled or transferred in an approved fume hood or with adequate ventilation. Protective gloves should be worn to prevent skin contact (Neoprene or equivalent) Safety glasses with side shields should be worn at all times.

Work/Hygenic Practices:

Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

EXPOSURE GUIDELINES

OSHA – PEL:

| Component | TWA | | STEL | | CL | | Skin |
|------------------|-----|-------|------|-------|-----|-------|------|
| | PPM | MG/M3 | PPM | MG/M3 | PPM | MG/M3 | |
| <hr/> | | | | | | | |
| Charcoal, Animal | | | | | | | |

ACGIH – TLV:

| Component | TWA | | STEL | | CL | | Skin |
|------------------|-----|-------|------|-------|-----|-------|------|
| | PPM | MG/M3 | PPM | MG/M3 | PPM | MG/M3 | |
| <hr/> | | | | | | | |
| Charcoal, Animal | | | | | | | |

If there are no exposure limit numbers listed in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limits have been established.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (C 760 mmHg) : N/A

Melting Point (C) : N/A

Specific Gravity (H₂O = 1) : 2.3

Vapor Pressure (mm Hg) : N/A

Percent Volatile by vol (%) : 12%

Vapor Density (Air = 1) : N/A

Evaporation Rate (BuAc = 1) : N/A

Solubility in Water (%) : Insoluble

Appearance :

Black to dark gray powder; odorless

10. STABILITY AND REACTIVITY

Stability: Yes

Hazardous Polymerization:

Does not occur

Hazardous Decomposition:

CO_x

Conditions to Avoid:

Dusting

Materials To Avoid:

- Water
- Acids
- Bases
- Corrosives
- Oxidizers
- Other:

11. TOXICOLOGICAL INFORMATION

Toxicity Data

None established

Toxicological Findings:

None

Cited in Registry of Toxic Effects of Chemical Substances (RTECS)

12. DISPOSAL CONSIDERATIONS

EPA Waste Numbers: D001

Treatment:

Specified Technology – Contact your local permitted waste disposal site (TSD) for permissible treatment sites.

ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

13. TRANSPORT INFORMATION

DOT Proper Shipping Name:

non-regulated

DOT ID Number :

none

14. REGULATORY INFORMATION

TSCA Statement:

The CAS number of this product is listed on the TSCA Inventory.

| Component | SARA EHS (302) | SARA EHS TPQ (lbs) | CERCLA RQ (lbs) |
|-----------|----------------------|--------------------------|-----------------------|
|-----------|----------------------|--------------------------|-----------------------|

Charcoal, Animal

| Component | OSHA Floor List | SARA 313 | DeMinimis for SARA 313 (%) |
|-----------|--------------------|-------------|----------------------------------|
|-----------|--------------------|-------------|----------------------------------|

Charcoal, Animal

If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulation listed.

15. OTHER INFORMATION

Comments:

None

NFPA Hazard Ratings:

Health : 0
Flammability : 1
Reactivity : 0
Special Hazards :

Revision History: 9/1/81 10/27/87 6/15/90

| = Revised Section

N/A = Not Available

N/E = None Established

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