Material Safety Data Sheet



Potassium Sulfate

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Potassium Sulfate

OTHER/GENERIC NAMES: Dipotassium sulfate

Natural arcanite

PRODUCT USE: Industrial

MANUFACTURER: General Chemical Corporation

90 East Halsey Road Parsippany, NJ 07054

FOR MORE INFORMATION CALL: 973-515-1840 IN CASE OF EMERGENCY CALL: 800-631-8050

(24 Hours/Day, 7 Days/Week)

(Monday-Friday, 9:00am-4:30pm)

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAMECAS NUMBER
Potassium sulfateWEIGHT %
99Hydrated amorphous silica (anti-cake agent)7631-86-91

Trace impurities and additional material names not listed above may appear in Section 15 of this MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

OSHA Hazard Communication Standard:

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Ingredients found on one of the three OSHA designated carcinogen lists are listed below.

<u>INGREDIENT NAME</u> <u>NTP STATUS</u> <u>IARC STATUS</u> <u>OSHA LIST</u>

No ingredients listed in this section.

4. FIRST AID MEASURES

SKIN: Wash with soap and water, then flush with water until all chemical is removed. Remove contaminated

clothing and wash before reuse. If irritation develops, get medical attention.

EYES: Flush promptly with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen provided a qualified operator is available.

Get medical attention for irritation or discomfort.

INGESTION: If conscious, give 2 to 4 glasses of water, then induce vomiting by touching back of throat with

finger. Get medical attention.

ADVICE TO PHYSICIAN: Treat symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT:

FLASH POINT METHOD:

AUTOIGNITION TEMPERATURE:

UPPER FLAME LIMIT (volume % in air):

LOWER FLAME LIMIT (volume % in air):

FLAME PROPAGATION RATE (solids):

Not applicable.

Not applicable.

Not applicable.

Not applicable.

OSHA FLAMMABILITY Ce.

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6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE: (See section 8 for recommended personal protective equipment.) Shovel up dry chemical for use or disposal. Sweep up with a minimum of dusting and maximize recovery. Flush residue with water to complete clean-up, if permitted by applicable disposal regulations.

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

7. HANDLING AND STORAGE

NORMAL HANDLING: (See section 8 for recommended personal protective equipment.)
Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wash thoroughly after handling and follow good personal hygiene and good housekeeping practices. Keep containers closed. Handle in a manner to minimize dusting.

STORAGE RECOMMENDATIONS:

Store in a cool, dry area. Keep containers upright and tightly closed. Protect from damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide local exhaust if dusty conditions prevail. Natural ventilation is generally adequate in the absence of dusty conditions.

PERSONAL PROTECTIVE EQUIPMENT

SKIN PROTECTION: Wear long-sleeve shirt, trousers and gloves for routine product use or handling.

EYE PROTECTION: Under normal conditions, wear safety glasses. Under dusty conditions, wear

chemical safety goggles. Do not wear contact lenses.

RESPIRATORY Under normal conditions, not required. Where dusty conditions develop, use a

PROTECTION: NIOSH-approved respirator for dusts.

ADDITIONAL Eye wash and safety showers.

RECOMMENDATIONS:

EXPOSURE GUIDELINES

<u>INGREDIENT NAME</u> <u>ACGIH TLV</u> <u>OSHA PEL</u> <u>OTHER LIMIT</u>

No ingredients listed in this section.

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¹ = Limit established by General Chemical Corporation.

² = Workplace Environmental Exposure Level (AIHA).

³ = Biological Exposure Index (ACGIH).



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OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS: None.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White or off-white powder.

PHYSICAL STATE: Solid. MOLECULAR WEIGHT: 174.27 CHEMICAL FORMULA: K_2SO_4 ODOR: Odorless. SPECIFIC GRAVITY (water = 1.0): 2.662 SOLUBILITY IN WATER (weight %): 11% @ 25C

pH: Approximately 7 (aqueous solution)

BOILING POINT: 1670C MELTING POINT: 1072C

VAPOR PRESSURE: Not applicable VAPOR DENSITY (air = 1.0): Not applicable

EVAPORATION RATE: Not applicable COMPARED TO: Not applicable

% VOLATILES: Not applicable

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SECTION 311 HAZARD CLASS: Immediate

SARA 313 TOXIC CHEMICALS:

The following ingredients are SARA 313 "Toxic Chemicals" and may be subject to annual reporting requirments. CAS numbers and weight percents are found in Section 2.

INGREDIENT NAME

COMMENT

No ingredients listed in this section.

STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

INGREDIENT NAME

WEIGHT % COMMENT

No ingredients listed in this section.

ADDITIONAL REGULATORY INFORMATION:

None

WHMIS CLASSIFICATION (CANADA):

Not determined

FOREIGN CHEMICAL CONTROL INVENTORY STATUS:

Listed on Canadian DSL and European EINECS

16. OTHER INFORMATION

CURRENT ISSUE DATE: July, 2003 PREVIOUS ISSUE DATE: February, 1998

CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:

New format.

OTHER INFORMATION: Not for Food or Drug Use.

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