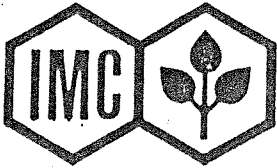


MATERIAL SAFETY DATA SHEET



INTERNATIONAL MINERALS & CHEMICAL CORPORATION

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SECTION I. PRODUCT IDENTIFICATION

| | | |
|---|--------------------|--------------------------------|
| PRODUCT NAME - SULFATE OF POTASH, GRANULAR | CAS NO. - | 7778-80-5 |
| CHEMICAL FAMILY - Inorganic Salt | MOLECULAR WEIGHT - | 174.3 |
| CHEMICAL NAME - Potassium Sulfate | FORMULA - | K ₂ SO ₄ |
| DOT CLASS - Not Regulated by DOT | | |

SECTION II. COMPOSITION

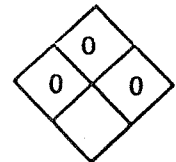
| | % | CAS. NO. |
|------------------|-------------|-----------|
| K ₂ O | 50.0 - 52.4 | - |
| Chloride | 1.0 - 2.5 | - |
| Insoluble | 1.0 | - |
| Moisture | .10 - .12 | 7732-18-5 |

SECTION III. PHYSICAL DATA

| | | | |
|-----------------------------|------------------------|---|----------------|
| MELTING POINT - | 1950 °F | SPECIFIC GRAVITY (H ₂ O = 1) | 2.66 |
| VAPOR PRESSURE, mm Hg | Not Applicable | PERCENT VOLATILE | Not Applicable |
| SOLUBILITY IN WATER (77 °F) | 12 gms/100 ml | | |
| APPEARANCE AND ODOR - | Tan odorless granules. | | |

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

Sulfate of potash is a non-flammable inorganic salt. It will not support combustion, and is non-hazardous. When subject to very high temperatures, it may release small amounts of sulfur oxides.



NFPA Code

SECTION V. REACTIVITY DATA

STABILITY - Sulfate of potash is stable under all normal conditions.

INCOMPATIBILITY (Materials to avoid) - None.

HAZARDOUS POLYMERIZATION will not occur.

The information, data, and recommendations contained herein are believed to be accurate. IMC makes no warranty of any kind whatever with respect thereto and disclaims all liability from reliance thereon.

(Continued on reverse side)

SECTION VI. HEALTH HAZARD DATA

OSHA Permissible Exposure Limit - None established. We suggest the OSHA nuisance dust limit of 15 mg/m³ total dust, 5 mg/m³ respirable dust.

ROUTES OF ENTRY - Lungs (breathing), ingestion (swallowing).

TOXICITY DATA: Scu - gpg LDLo:3000 mg/kg
Orl - wmm LDLo:800 mg/kg

EFFECTS OF OVEREXPOSURE:

SHORT TERM - Slightly irritating to the eyes, skin, respiratory tract, and digestive system. Ingestion of large quantities could cause vomiting, severe gastrointestinal irritation, and diarrhea.

LONG TERM - None known. Potassium sulfate is used as a food and feed additive.

FIRST AID:

Eyes - Flush thoroughly with water. If pain or discomfort persists, see a physician.

Skin - Wash with soap and water.

SECTION VII. SPILL, LEAK, AND DISPOSAL INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

If uncontaminated, sweep up or collect, and reuse as product. If contaminated with other materials, collect in suitable containers.

WASTE DISPOSAL METHOD - Can generally be disposed of by burial in an approved land disposal facility, in accordance with applicable federal, state, and local regulations. Depending upon type and extent of contamination, if any, other disposal methods may be required by environmental regulatory agencies.

SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH-approved dust respirators, with approval TC-21C-xxx, until feasible engineering controls are completed.

VENTILATION: Local exhaust or other ventilation that will reduce dust concentrations to less than Permissible Exposure Limits is recommended.

EYE PROTECTION: If high dust concentrations exist, tight-fitting goggles are recommended to reduce dust exposure to the eyes.

OTHER PROTECTIVE EQUIPMENT: Optional.

SECTION IX. SPECIAL PRECAUTIONS

None.

Richard Gullickson

Richard Gullickson, CIH
Manager, Industrial Hygiene