Feldspar CORPORATION MATERIAL SAFETY DATA SHEET

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ECTION I. PRODUCT AND COMPANY IDENTIFICATION

RODUCT NAMES: *SP-G, F-20, G-20, G-40, G-200, NC-4 AND FELEX (Various Grades)*

HEMICAL NAME: Feldspar (CAS No. 68476-25-5)

PRODUCER:
The Feldspar Corporation
1040 Crown Pointe Parkway, Suite 270
Atlanta, GA 30338

TELEPHONE NUMBERS:
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ECTION II. HAZARDOUS INGREDIENTS

ree Silica (Crystalline Quartz) Formula: SiO_2 Typically 6-10% CAS No. 14808-60-7

eldspar is a naturally occurring anhydrous, inorganic, igneous rock. It is a complex aluminum silicate containing arying amounts of sodium, potassium, and calcium. Formula: (Na, K, Ca) $AlSi_3O_8$; SiO_2

ECTION III. PHYSICAL DATA

OILING POINT: Not Applicable VAPOR PRESSURE: Not Applicable SPECIFIC GRAVITY: 2.60-2.65

ELTING POINT: 1100-1450°C SOLUBILITY IN WATER: Negligible PERCENT VOLATILE: Not Applicable

DOR AND APPEARANCE: Earthy smell when wet. White to tan granules and / or powder.

ECTION IV. FIRE AND EXPLOSION DATA: Non-flammable and non-explosive.

ECTION V. HEALTH HAZARD INFORMATION

SHA PEL: CRYSTALLINE QUARTZ (Respirable) 0.1 mg/m^3 (TWA-TLV)
CGIH TLV: CRYSTALLINE QUARTZ (Respirable) 0.1 mg/m^3 (TWA-TLV)
IOSH TWA: CRYSTALLINE QUARTZ (Respirable) 0.05 mg/m^3

AZARD BY ROUTES OF EXPOSURE:

NHALATION: **WARNING:** These products contain crystalline silica. Repeated, prolonged inhalation of dust may ause delayed lung injury which may result in silicosis or pneumoconiosis. The International Agency For Research On ancer in its publication, *"IARC Monographs On The Evaluation Of The Carcinogenic Risk To Humans – Silica, Some ilicates, Coal Dust and Para-aramid Fibrils"* - Volume 68, 1997, has concluded that there is sufficient evidence for the arcinogenicity of crystalline silica in humans, and has, therefore, classified crystalline silica in Group 1, carcinogenic to umans. The National Toxicology Program's ("NTP's") Sixth Annual Report on Carcinogens, 1991, lists crystalline silica (respirable) as a substance which may reasonably be anticipated to be a carcinogen. In humans, a number of studies have found an association between lung cancer and exposure to dust containing respirable crystalline silica. In many of these studies, though not all, lung cancer risks were elevated and could not be explained by confounding factors such as cigarette smoking or arsenic or radon inhalation. While the IARC working group concluded there was sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or crystobalite, it noted that carcinogenicity in humans was not detected in all circumstances studied. NOTE: The State of California requires the following statement: "Airborne particles of respirable size of crystalline silica are known to the State of California to cause cancer."

INGESTION: Nausea may result from accidental ingestion. May cause cancer.

SECTION V. HEALTH HAZARD INFORMATION (Continued)

EYE: Inflammation of eye tissue may occur from overexposure.

SKIN CONTACT/ABSORPTION: Inflammation from contact with open cuts may occur.

SIGNS AND SYMPTOMS ASSOCIATED WITH EXPOSURE OVER THE TLV:
Short Term: Shortness of breath, coughing associated with inhalation of dust. Long Term: May cause silicosis, a chronic disease of the lungs marked by acute fibrosis; may cause cancer.

EMERGENCY/FIRST AID PROCEDURES:

INHALATION: Move to fresh air; consult physician and /or obtain competent medical assistance as necessary.

INGESTION: Consult physician and/or obtain competent medical assistance.

EYE CONTACT: Flush with water; consult physician and/or obtain competent medical assistance as necessary.

SKIN CONTACT: Wash thoroughly with water.

SECTION VI. REACTIVITY DATA

STABILITY: Feldspar is a stable material under ordinary conditions.

INCOMPATIBILITY: None known.

HAZARDOUS POLYMERIZATION: Not known to occur.

SECTION VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:
If uncontaminated, recover and reuse. If contaminated, collect in suitable containers for disposal. Use appropriate method to avoid creating dust. Avoid breathing dust. Wear a NIOSH/MSHA/OSHA approved respirator.

WASTE DISPOSAL METHOD: May be buried in approved land disposal facility in accordance with Federal, State, and local regulations. Feldspar is not a hazardous waste under RCRA (40 CFR Part 261).

SECTION XIII. CONDITIONS FOR SAFE USE

VENTILATION: Local exhaust required for dust removal. Refer to OSHA 1910.24, ASTM, and/or ANSI Standards. Do not exceed OSHA PEL or ACGIH TLV.

RESPIRATORY PROTECTION: Use NIOSH/MSHA/OSHA approved respirator if dust is present.

EYE PROTECTION: Optional, but recommended. NIOSH recommends against wearing contact lenses when working with crystalline silica.

PROTECTIVE GLOVES: Optional, but recommended.

SECTION IX. SPECIAL PRECAUTIONS

1. Do not breathe dust.
2. Avoid creating dust in closed areas.
3. Use adequate ventilation as recommended by NIOSH/MSHA/OSHA for crystalline silica.

SECTION X. OTHER RELATED INFORMATION

1. NPCA / CPMA HMIS Ratings: Health (2) Flammability (0) Reactivity (0) Personal Protection (E)
2. Feldspar is not hazardous under DOT Regulations.
3. Government regulations require that personnel working with crystalline silica receive appropriate training in safe work habits, respiratory protection and health risks.