VOLUNTARY PURCHASING GROUPS, INC.

Safety Data Sheet
Hi-Yield Muriate of Potash

SECTION 1: Identification

Product identifier

Product name	Hi-Yield Muriate of Potash
Substance name	Potassium Chloride

Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham, TX 75418 USA
Telephone	855-270-4776

Emergency phone number(s)

In the event or a medical or chemical emergency contact ChemTel, Inc.
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

SECTION 2: Hazard identification

Classification of the substance or mixture
- Skin corrosion/irritation (chapter 3.2), Cat. 1
- Eye damage/irritation (chapter 3.3), Cat. 1

GHS label elements, including precautionary statements

Pictogram

Signal word **Warning**

Hazard statement(s)

H335	May cause respiratory irritation
H317	May cause an allergic skin reaction
H303+H313	May be harmful if swallowed or in contact with skin

Other hazards which do not result in classification

SECTION 3: Composition/information on ingredients

Substances

Substance name	Potassium Chloride
Formula	KCl
Other names / synonyms	Potassium chloride (KCl)

Hazardous components

1. POTASSIUM CHLORIDE

Concentration	95 - 98 % (Weight)
CAS no.	7447-40-7

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	In case of persisting adverse effects consult a physician.
If inhaled	Remove to fresh air.
In case of skin contact	In case of irritation, remove clothing. Wipe excess from skin. Wash with soap and water for at least 5 minutes.
In case of eye contact	Flush eyes with plenty of water, lifting lower and upper eyelids occasionally.
If swallowed	Induce vomiting. Never give anything by mouth (oral) to an unconscious person.

SECTION 5: Fire-fighting measures

Suitable extinguishing media
Any mean suitable for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Use personal protective equipment (Section 8).

Environmental precautions
Do not discharge into drains. Avoid surface and ground water contamination.

Methods and materials for containment and cleaning up
Pick up the product mechanically and store in a normal container for recovery or disposal.

SECTION 7: Handling and storage

Precautions for safe handling
Minimize dust generation. Avoid contact with eyes and skin.

Conditions for safe storage, including any incompatibilities
Special Requirements : Keep the product in the original containers.
Storage Conditions : Keep containers closed in well ventilated and cool place.

SECTION 8: Exposure controls/personal protection

Individual protection measures, such as personal protective equipment (PPE)

Body protection
Personal Protective Equipment:
Wear nitrile rubber gloves (over 0.11 mm thickness, > 480 min breakthrough time), and chemical safety goggles.

Hygiene Measures:
Do not drink, eat or smoke during product manipulation. Keep away from foodstuffs and beverages. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Granular Solid
Odor	Odorless
Odor threshold	No data available.
pH	5.5-8.0
Melting point/freezing point	1575 °C
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Upper/lower explosive limits	
Vapor pressure	
Vapor density	
Relative density	
Solubility(ies)	Water: 357 g/L (25 °C) (only for crystalline material)
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

Chemical stability
Stable under normal use and storage conditions.

Possibility of hazardous reactions
Contact with strong acid may produce hydrogen chlorine gas.

Hazardous decomposition products
None.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
No toxicity data are availlable for the mixture. Individual components data are presented. None of the components has been listed as a carcinogenic agent.

Compound	Accute oral toxicity (DL50, rat)
KCl	2600 mg/Kg

Skin corrosion/irritation
Can cause skin and eye irritation.

SECTION 12: Ecological information

Toxicity
General
Do not discharge into drains and water or public depositories.

Environmental Fate
In aquatic compartiments, ions are mobile. Bioaacumulation is not expected. Sodium and Potassium binds to clay particles in the soil.

SECTION 13: Disposal considerations

Disposal of the product
Contact your local permitted disposal site. Always contact a licensed waste disposal service to assure compliance with all regulations.

Disposal of contaminated packaging
Empty containers may be reused after appropriate cleansing. Packaging that can not be cleaned should be disposed in agreement with the regional waste disposal company.

SECTION 14: Transport information

DOT (US)
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

SARA 302 Components
None.

NFPA Rating

SECTION 16: Other information

No data available.