



D000592 rev. A

Product PVSK	Replaced by	Replaces	Page 1 / 6
Description MSDS PVSK US	Created by RE	Date 2012-06-26	
Extra description Polyelectrolyte solution	Approved by DW	Date 2012-06-28	

Material Safety Data Sheet

1 Identification of substance

Product identifier:

Potassium Polyvinyl Sulfate

Manufacturer/Supplier:

BTG Americas Inc.
5085 Avalon Ridge Parkway Suite 100
Norcross GA 30071, USA
Tel: 1-800-624-2326
Tel: 1-770-209-6900
Fax: 1-770-447-8440
Email: infoamericas@btg.com

Poison Control Center:

Georgia Poison Center
Grady Health System
50Hurt Plaza Suite 600
Atlanta, GA 30303
Tel: 1-800-222-1222
Email: www.aapcc.org

2 Hazard identification

GHS Classification:

Not classified hazardous according to Regulation (EC) No. 1272/2008

Precautionary statements: --

EU Classification:

Not classified dangerous according to Directive 67/548/EEC

3 Composition/information on ingredients

Chemical Identity:

Potassium polyvinyl sulfata

Synonyms:

Polyvinyl sulfate potassium salt; PVSK

Formula:

(C₂H₃KO₄S)_n

Molecular weight:

Not available

CAS Number:

26837-42-3

TSCA Inventory:	Listed
EINECS No.	Not listed [as Monomer; 209-231 (CAS No. 562-54-9)]
EC Index Number:	Not listed

4 First aid measures

General advice:

Wash off immediately with soap and plenty of water. In case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. Use personal protective equipment.

Inhalation:

Move victim to fresh air. If breathing is difficult, give oxygen. If irritation persists, consult a physician.

Skin contact:

Remove contaminated clothes and shoes, rinse skin with plenty of water or shower. Use soap to help assure removal. If irritation persists, consult a physician.

Eye contact:

Remove any contact lenses at once. Flush eyes well with flooding amounts of running water for at least 15 minutes. Assure adequate flushing by separating the eyelids with sterile fingers. If irritation persists, consult a physician.

Ingestion:

Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Consult a physician.

5 Firefighting measures

Extinguishing media:

Carbon dioxide, dry chemical powder, foam, water

Fire and explosion hazards:

Toxic, irritating dust or smoke may be emitted

Special protective equipment for firefighters:

Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.

6 Accidental release measures

Personal precautions:

Remove ignition sources and ventilate the area. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid raising dust and avoid contact with skin and eyes.

Environmental precautions:

Prevent spills from entering sewers, watercourses or low areas.

Methods for cleaning up:

Do not touch spilled material without suitable protection (see section 8). After material is completely picked up, wash the spill site with soap and water and ventilate the area. Put all wastes in a plastic bag for disposal and seal it tightly. Remove, clean, or dispose of contaminated clothing.

7 Handling and storage

Precaution for safe handling:

Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Handle material with suitable protection.

Conditions for safe storage:

Store away from sunlight in a cool (2 – 10 °C = 35, 6 – 50 °F) well ventilated dry place. Keep container tightly closed.

Incompatibilities:

Oxidizers

8 Exposure controls and personal protection

Engineering measures:

Use exhaust ventilation to keep airborne concentrations below exposure limits. Use only with adequate ventilation.

Ventilation:

Local exhaust is necessary; mechanical (general) is recommended

Individual protection measures:

Respiratory protection:

Use a NIOSH/MSHA or European Standard EN 149 approved respirator if the vapor concentrations exceed regulatory guidelines.

Hand protection:

Chemical resistant gloves

Eye protection:

Safety glasses (goggles)

Skin protection:

Protective clothing

Control parameters:

OSHA Final Limits:

None established

ACGIH TLV (s):

None established

9 Physical and chemical properties

Appearance:	White – pale brown, crystalline powder – powder or small mass
Odour:	Odorless
pH value:	Not available
Melting point:	Not available
Initial boiling point:	Not available
Flash point:	Not available
Flammability (solid, gas):	Not available
Explosive limits:	Not available
Vapor pressure:	Not available
Specific gravity:	Not available
Solubility in water:	Sparingly soluble
Partition coefficient:	Not available
Decomposition temperature:	Not available

10 Stability and reactivity

Chemical stability:
Stable under recommended storage conditions

Conditions to avoid:
Sunlight, heat

Incompatible materials:
Oxidizers

Hazardous decomposition products:
Carbon monoxide, sulfur oxides and potassium compounds may be formed

11 Toxicological information

Acute toxicity (oral/dermal/inhalation):
LD50 (ipr, mouse): 225 mg/kg; liver (CRSBAW 166, 121, 1972)
LD50 (scu, mouse): 78 mg/kg; (OSDIAF 5, 128, 1956)

Toxicity data:
May be harmful if inhaled and ingested

Skin corrosion/irritation:
May cause skin irritation

Eye damage/eye irritation:
May cause eye irritation

Respiratory or skin sensitization: Not available
Germ cell mutagenicity: Not available

Toxic to reproduction:	Not available
Stost-single exposure:	Not available
Stost-repeated exposure:	Not available
Aspiration toxicity:	Not available
Carcinogenicity:	Not available

Additional information:

NTP:	Not listed
IARC:	Not listed
OSHA:	Not listed
ACGIH:	Not listed

12 Ecological information

Ecotoxicity:	Not available
Persistence and degradability:	Not available
Bioaccumulation potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

13 Disposal consideration (including container)

Any disposal must be in compliance with country, local state, and federal laws and regulations (contact country local or state environmental agency for specific rules).
After contents are completely removed, dispose of its container in accordance with local/regional/national/international regulation)

14 Transport information

IATA:	Not restricted
Marine pollutant:	No
DOT (department of transportation):	Not a hazardous material for DOT shipping

15 Regulatory information:

EU Regulations:
Labelling according to EC Directives:
See section 2

US Regulations:

EPA:	CERCLA RQ= Not listed EPCRA TPQ= Not listed
OSHA:	TQ= Not listed

16 Other information including information on preparation and revision of the SDS

No specific notes

The above information is believed to be correct to be the best of our knowledge and information but does not purport to be all inclusive and shall be used only as a guide. This product is intended to be used by expert persons having chemical knowledge and skill at their own discretion and risk and we are not be held liable for any damage resulting from handling or from contact with the above material.