

MATERIAL SAFETY DATA SHEET

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

| | |
|--|---|
| Product name | POLY4 – a multi-nutrient granular or crystalline mineral |
| Manufacturer | Sirius Minerals Plc Resolution House, Lake View, Scarborough YO11 3ZB, UK Phone: +44 1723 470 010 Company registered number: 04948435 |
| Email address of person responsible | commercial@siriusminerals.com |
| Applications | POLY4 is a multi-nutrient fertilizer resource suitable for use where potassium, sulphur, magnesium or calcium are required. Suitable for organic production as a source of essentially chloride-free potassium, sulphur, magnesium and calcium. |

COMPOSITIONAL INFORMATION

| | | |
|-------------------|--|----------|
| Mineral | Polyhalite: $K_2SO_4 \cdot MgSO_4 \cdot 2CaSO_4 \cdot 2H_2O$ | 85% w/w |
| | Magnesite: $MgCO_3$ | 2.6% w/w |
| | Anhydrite: $CaSO_4$ | 8.0% w/w |
| | Halite: $NaCl$ | 3.6% w/w |
| | Other naturally occurring micro nutrients: B, Zn, Mn, Mo, Se, Fe, Cu, Sr | 0.8% w/w |
| Impurities | Moisture: H_2O | |

HAZARD IDENTIFICATION

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| Classification | Not classified as hazardous under UK health, safety and environmental legislation when used in the intended application. |
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FIRST AID MEASURES

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| Eyes | Irrigate with plenty of water for 15 minutes. Seek medical attention if discomfort persists. |
| Skin | Cover cuts and open wounds. |
| Inhalation | Seek medical attention if discomfort persists. |
| Ingestion | Seek medical attention. |

FIRE FIGHTING MEASURES

| | |
|---------------------|-----------------|
| Flammability | Not applicable. |
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ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|-------------------------------------|
| Personal Precautions | Wear dust mask if dust is airborne. |
| Environmental precautions | See disposal considerations. |

Material safety data sheet

Effective: October 2017

Location: United Kingdom

T: +44 1723 470 010

E: commercial@siriusminerals.com

Registered address:

3rd Floor Greener House,
66–68 Haymarket,
London SW1Y 4RF
UK

Company registered number: 04948435

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HANDLING AND STORAGE

| | |
|----------------|----------------------|
| Storage | Store in a dry area. |
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EXPOSURE CONTROL/PERSONAL PROTECTION

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| Engineering controls | Local exhaust ventilation when excessive dust is produced. |
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| Personal protection | Suitable dust mask and gloves. |
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PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | Grey, grey white or white solid product. |
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|----------------------|--------------------|
| Particle size | +/- 200 µ (powder) |
| | 2–4mm (granular) |

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|-------------------|---|
| Solubility | Soluble fertilizer suitable for soil application at all commercial application rates ¹ . |
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¹Sirius polyhalite characteristics

STABILITY AND REACTIVITY

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|---------------|--------------------------|
| Status | Stable and non-reactive. |
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TOXICOLOGICAL INFORMATION

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| On eyes | Short-term discomfort. |
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| On skin | Prolonged contact may cause dermatitis. |
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| By inhalation | Discomfort to the nasal passage. |
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| By ingestion | Large amounts may cause gastro-intestinal irritation purging, weakness and circulatory problems. |
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ECOLOGICAL INFORMATION

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| Status | Short-term effects/easily diluted. |
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DISPOSAL CONSIDERATIONS

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| Technique | Can be washed away with large amounts of water, or in dry conditions remove to stock or disposal contractor. |
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TRANSPORT INFORMATION

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| Classification | Not classified as hazardous for transport. |
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| Shipping name | Not applicable. |
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| UN number | Not applicable. |
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| ADR/RID | Not applicable. |
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| ICAO/IATO | Not applicable. |
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| Packaging group | Not applicable. |
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| Marine pollutant | Not applicable. |
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REGULATORY AND OTHER INFORMATION

| | |
|-------------------|-----------------|
| Regulatory | Not applicable. |
|-------------------|-----------------|

| | |
|--------------|-----------------|
| Other | Not applicable. |
|--------------|-----------------|

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