

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** POTASSIUM CHLORIDE 99%  
**REACH registered name:** POTASSIUM CHLORIDE  
**REACH registered number(s):** 01-2119539416-36-XXXX  
**CAS number:** 7447-40-7  
**EINECS number:** 231-211-8  
**Product code:** POTCHL99  
**Synonyms:** E508  
SYLVITE

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Use of substance / mixture:** Beverage Processing Aids and Other Usages

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Murphy and Son Ltd  
Alpine Street  
Nottingham  
Nottinghamshire  
NG6 0HQ  
United Kingdom

**Tel:** 0115 978 5494

**Email:** [technical@murphyandson.co.uk](mailto:technical@murphyandson.co.uk)

### 1.4. Emergency telephone number

**Emergency tel:** +44 115 978 5494  
(office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** This product has no classification under CLP.

### 2.2. Label elements

**Label elements:** This product has no label elements.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

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**Section 3: Composition/information on ingredients**

**3.1. Substances**

**Chemical identity:** POTASSIUM CHLORIDE 99%

**CAS number:** 7447-40-7

**EINECS number:** 231-211-8

**REACH registered number(s):** 01-2119539416-36-XXXX

**Contains:** Anti Caking Agent- 10 - 15ppm Potassium Ferrocyanide

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water. Give 1 cup of water to drink every 10 minutes.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Obtain medical attention if breathing difficulty and / or other complaints appear

**4.2. Most important symptoms and effects, both acute and delayed**

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** Some reference works state that large oral doses cause gastro intestinal irritation, purging weakness and circulatory problems.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Immediate / special treatment:** Some reference works state that large oral doses cause gastro intestinal irritation, purging weakness and circulatory problems.

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

**Extinguishing media:** Water.

**5.2. Special hazards arising from the substance or mixture**

**Exposure hazards:** In combustion emits toxic fumes.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

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**6.2. Environmental precautions**

**Environmental precautions:** Not applicable.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Sweep up or vacuum up the product Transfer to a suitable, correctly labelled closed container, preferably for re-use, otherwise for disposal.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid the formation or spread of dust in the air.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in cool, well ventilated area.

**Suitable packaging:** Must only be kept in original packaging.

**7.3. Specific end use(s)**

**Specific end use(s):** Beverage Processing Aids and Other Usages

**Section 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Workplace exposure limits:** No data available.

**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** If dust concentration is above occupational exposure limits then a respiratory filter / face mask to EN 149:2001 FFP1 minimum should be worn.

**Hand protection:** Rubber gloves. PVC gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Section 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**State:** Granules

**Colour:** White

**Odour:** Odourless

**Evaporation rate:** Not applicable.

**Oxidising:** Not applicable.

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**Solubility in water:** Soluble

**Viscosity:** Not applicable.

**Boiling point/range°C:** No data available.

**Melting point/range°C:** 773

**Flammability limits %: lower:** Not applicable.

**upper:** No data available.

**Flash point°C:** Not applicable.

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** No data available.

**Vapour pressure:** Not applicable.

**Relative density:** 1050

**pH:** 5 - 8

**VOC g/l:** Not applicable.

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** No data available.

**10.4. Conditions to avoid**

**Conditions to avoid:** None known

**10.5. Incompatible materials**

**Materials to avoid:** None Known

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** No data available.

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicity values:** No data available.

**Symptoms / routes of exposure**

**Skin contact:** No data available.

**Eye contact:** No data available.

**Ingestion:** Some reference works state that large oral doses cause gastro intestinal irritation, purging weakness and circulatory problems.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Section 12: Ecological information**

[cont...]

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**12.1. Toxicity**

**Ecotoxicity values:** No data available.

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Legend to abbreviations:** PNEC = predicted no effect level  
DNEL = derived no effect level  
LD50 = median lethal dose  
LC50 = median lethal concentration

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EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.