

# Trafalgar Chemicals - Safety Data Sheet

0531-DJ

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 1.1

Revision date:

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## Section 1. Identification

### 1.1 Product Identifier 0531-DJ

Product Name POTASSIUM CHLORIDE pure 3Kg.

CAS Number 7447-40-7

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

Molecular Formula  $KCl = 74.55$

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

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

### 1.3 Supplier Trafalgar Chemicals



Trafalgar Scientific Ltd.  
190 Waterside Road  
Leicester  
Leicestershire  
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UNITED KINGDOM

Phone 0116 2879460

Email [info@trafalgarscientific.co.uk](mailto:info@trafalgarscientific.co.uk)

Website [www.trafalgarscientific.co.uk](http://www.trafalgarscientific.co.uk)

### 1.4 Emergency Telephone (08:00-17:00) +44(0) 116 2879460 (24hr) 112 (Have this document to hand)

## Section 2. Hazards Identification

### 2.1 Classification of the substance or mixture

Classification according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567

Not classified as hazardous.

### 2.2 Label elements

Labelling according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567

Not classified as hazardous.

## Section 3. Composition

### 3.1 Substances

Not classified as hazardous.

## Section 4. First Aid

### 4.1 Description of first aid measures

|                                      |                                                                                                                                             |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Eyes                                 | Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists<br>OBTAIN MEDICAL ATTENTION. |
| Skin                                 | Wash off skin thoroughly with water.                                                                                                        |
| Inhalation                           | Remove from exposure.                                                                                                                       |
| Ingestion                            | Wash out the patients mouth thoroughly with water.                                                                                          |
| Personal protection for first aiders | Wear protective gloves / eye protection.                                                                                                    |

#### 4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

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

No further relevant information available.

## Section 5. Fire Fighting

### 5.1 Extinguishing media

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Extinguishing Media | Consider what other flammable materials are present and act accordingly. |
| Unsuitable Media    | Nothing specified.                                                       |

### 5.2 Special hazards arising from the substance or mixture

|         |                                   |
|---------|-----------------------------------|
| Hazards | Presents no specific fire danger. |
|---------|-----------------------------------|

### 5.3 Advice for firefighters

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Advice for firefighters | Consider all other materials in the vicinity. |
|-------------------------|-----------------------------------------------|

## Section 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

|                     |                            |
|---------------------|----------------------------|
| Personal Protection | Presents no major hazards. |
|---------------------|----------------------------|

### 6.2 Environmental precautions

|              |                                         |
|--------------|-----------------------------------------|
| Enviromental | Presents no major environmental hazard. |
|--------------|-----------------------------------------|

### 6.3 Methods and material for containment and cleaning up

|                |                                                                                          |
|----------------|------------------------------------------------------------------------------------------|
| Major Spillage | Shovel/sweep up into container for removal Wash area down with copious amounts of water. |
| Minor Spillage | Wash area down with copious amounts of water.                                            |

### 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## Section 7. Storage & Handling

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.  
Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

### 7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage . Ensure storage conditions are very dry as material has a very high tendency to cake.

### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

## 8.1 Control parameters

Exposure data source(s) No hazardous components.

## 8.2 Exposure controls

|                        |                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------|
| Respiratory Protection | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.                              |
| Hand Protection        | Wear gloves.                                                                                                       |
| Eye Protection         | Use tightly fitting chemical splash proof glasses or goggles.                                                      |
| Skin Protection        | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |
| Special Hazards        | No special precautions required.                                                                                   |

# Section 9. Physical & Chemical Properties

## 9.1 Information on basic physical and chemical properties

|                       |                    |
|-----------------------|--------------------|
| Appearance            | White powder.      |
| Odour                 | No specific odour. |
| pH                    | 7 @ 20°C           |
| Boiling Point         | No data available. |
| Melting Point         | 770 °C             |
| Flash Point           | Not applicable     |
| Upper Flammable Limit | Not applicable     |
| Lower Flammable Limit | Not applicable     |
| Auto Ignition         | Not applicable     |
| Explosive Properties  | No.                |
| Oxidising Properties  | No.                |
| Vapour Pressure       | Not applicable     |
| Relative Density      | 1.9800             |
| Water Solubility      | 355 g/L            |

## 9.2 Other information

No data available.

# Section 10. Stability & Reactivity

|                                         |                                                    |
|-----------------------------------------|----------------------------------------------------|
| 10.1 Reactivity                         | No data available.                                 |
| 10.2 Chemical Stability                 | Stable under normal conditions                     |
| 10.3 Possibility of hazardous reactions | No data available.                                 |
| 10.4 Conditions to Avoid                | No specific conditions.                            |
| 10.5 Incompatible materials             | No specific conditions.                            |
| 10.6 Hazardous Decomposition Products   | May produce hazardous fumes if involved in a fire. |

# Section 11. Toxicological Information

## 11.1 Information on toxicological effects

|                 |                                                                           |
|-----------------|---------------------------------------------------------------------------|
| Eyes            | Contact with the solid or dust may be irritating to the eyes.             |
| Skin            | Presents no significant hazard by skin contact.                           |
| LD50 Skin       | Not available                                                             |
| Ingestion       | Ingestion of large amounts may cause violent abdominal pain and vomiting. |
| LD50 Oral       | 2430mg/kg Rat                                                             |
| Inhalation      | Presents no significant health hazard by inhalation.                      |
| LD50 Inhalation | Not available                                                             |
| TCLo            | Not available                                                             |

|                      |                                    |
|----------------------|------------------------------------|
| Carcinogenicity      | Not considered to be a carcinogen. |
| Mutagenicity         | Not considered to be a mutagen.    |
| Reproductive Effects | None identified.                   |

## Section 12. Ecological

|                                                  |                                   |
|--------------------------------------------------|-----------------------------------|
| <b>12.1 Toxicity</b>                             | No specific environmental hazard. |
| LC50 Algal                                       | Not available                     |
| LC50 Crustacea                                   | >440mg/l Daphnia magna (48 hours) |
| LC50 Fish                                        | 880mg/l Fathead Minnow (96 hours) |
| <b>12.2 Persistence and degradability</b>        | No data available.                |
| <b>12.3 Bioaccumulative potential</b>            | No data available.                |
| <b>12.4 Mobility in soil</b>                     | No data available.                |
| <b>12.5 Results of PBT &amp; vPvB assessment</b> | Assessment not required.          |
| <b>12.6 Other adverse effects</b>                | None known at present.            |

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

|                        |                                      |
|------------------------|--------------------------------------|
| Disposal Methods       | Do not dispose of as domestic waste. |
| Contaminated Packaging | Wash out containers with water.      |

## Section 14. Transport Information

|                                          |                                  |
|------------------------------------------|----------------------------------|
| <b>14.1 UN Number</b>                    | Non-restricted                   |
| <b>14.2 Proper Shipping Name</b>         | Non-restricted                   |
| <b>14.3 Transport classes</b>            |                                  |
| UN classification                        | None                             |
| Subsidiary hazard(s)                     | None                             |
| Transport category                       | None                             |
| ADR Hazard ID                            | Non-restricted                   |
| Tunnel Restriction Code                  | Non-restricted                   |
| <b>14.4 Packing Group</b>                | None                             |
| <b>14.5 Environment hazards</b>          | See section 12.                  |
| <b>14.6 Special precautions for user</b> | No special precautions required. |
| <b>14.7 Transport in bulk</b>            | Not transported in bulk.         |

## Section 15. Regulatory Information

### 15.1 Safety, health and environment regulations specific for substance/mixture.

Not classified as hazardous under Classification, Labelling & Packaging of Substances & Mixtures Regulations (1272/2008/CE).

### 15.2 Chemical safety assessment

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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