

AHM 372/6

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Revision	1

**1. Identification of the Substance/Preparation and the Company/Undertaking**

**Product name:** DP-p K 600 g/l AI  
**Product Code:** Q380AX  
**Supplier:** A H Marks and Company Limited.  
Wyke Bradford  
West Yorkshire BD12 9EJ United Kingdom

**Emergency telephone number:** Telephone 01274 691234      Telefax 01274 691176

**2. Composition/Information on Ingredients****Identification of the ingredients:**

Chemical name:	CAS-No:	EEC-No:	EINECS-No:	Class:	Weight %:
R-(+)-2-(2,4-dichlorophenoxy) propanoic acid, potassium salt	5746-17-8		227-269-9		53.0
S-(-)-2-(2,4-dichlorophenoxy) propanoic acid, potassium salt					4.7

**3. Hazards Identification**

**Most important hazards:** Harmful by inhalation and if swallowed

**Specific hazards:** Irritating to eyes

**4. First-Aid Measures****General advice:**

Obtain medical attention immediately (show this Safety Data Sheet) if unconscious check breathing and pulse (heartbeat). Give artificial ventilation and chest compression if necessary. If unconscious but breathing and pulse are normal, place in the recovery position.

**Inhalation:**

Move to fresh air. If there is breathing difficulty or cough keep patient at rest seated in position of maximum comfort.

**Skin contact:**

Remove contaminated clothing immediately. If skin contamination wash immediately with plenty of clean, gently flowing water for 10 minutes, then send promptly to a doctor or hospital. Repeat skin decontamination process until all signs of chemicals have gone.

**Eye contact:**

If substance has got into the eyes immediately wash out with plenty of water for at least 10 minutes. Protect unharmed eye. Take care not to wash the chemical from one eye into the other.

**Ingestion:**

If ingestion is suspected, do not induce vomiting, send to hospital immediately. If conscious, drink plenty of water.

**5. Fire-Fighting Measures****Suitable extinguishing media:**

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

**Extinguishing media which must not be used for safety reasons:**

None.

**Special protective equipment for firefighters:**

May give off toxic fumes in a fire, wear breathing apparatus.

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**6. Accidental Release Measures****Personal precautions:**

Avoid:- contact with skin, eyes, clothing and inhalation of vapours or dust. Wear suitable: protective clothing, boots, gloves, eye and face protection.

**Environmental precautions:**

Do not let product enter drains. Do not allow material to contaminate ground water system.

**Methods for cleaning up:**

Soak up with inert absorbent material, place in suitable labelled containers and dispose as hazardous waste  
Where appropriate refer to Sections 8 & 13

**7. Handling and Storage**

**Handling:** Do not smoke. When using, do not eat, drink or smoke.

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. Exposure Controls/Personal Protection****Chemical name:**

R-(+)-2-(2,4-dichlorophenoxy) propanoic acid, potassium salt

**National occupational exposure limits:**

None assigned in current edition of the U.K. Health and Safety Executive publication EH40: Occupational exposure limits

S-(-)-2-(2,4-dichlorophenoxy) propanoic acid, potassium salt

None assigned in current edition of the U.K. Health and Safety Executive publication EH40: Occupational exposure limits

Short-term exposure limit (15-minute reference period)  
2mg.m<sup>3</sup>

**Engineering measures to reduce exposure:**

The usual precautionary measures for handling chemicals should be observed Use only in area provided with appropriate exhaust ventilation.

**Personal protection equipment:**

- **Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.
- **Hand protection:** Wear suitable gloves resistant to chemical penetration
- **Eye protection:** Wear suitable eye / face protection
- **Skin and body protection:** Wear suitable protective clothing

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Shower or bathe at the end of working

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**9. Physical and Chemical Properties**

Form:	liquid
Colour:	brown
Odour:	slightly phenolic
pH:	9-11
Boiling point/range:	no data available
Melting point/range:	not applicable, aqueous solution
Decomposition temperature:	no data available
Flash point:	not applicable, aqueous solution
Autoignition temperature:	not applicable, aqueous solution
Flammability (solid, gas):	not applicable, aqueous solution
Explosive properties:	None known
Oxidizing properties:	None known
Vapour pressure:	not applicable, aqueous solution
Relative density:	1.300 - 1.340
Bulk density:	Not applicable
Solubility:	
Water solubility	aqueous solution
Fat/Solvent solubility	No data available
Partition coefficient (n-octanol/water)	not applicable, aqueous solution
Viscosity:	No data available

**10. Stability and Reactivity**

Stability:	Stable under recommended storage conditions
Conditions to avoid:	
Materials to avoid:	strong bases, oxidizing agents
Hazardous decomposition products:	Carbon monoxide, carbon dioxide (CO <sub>2</sub> ), Hydrogen chloride gas

**11. Toxicological Information**

Acute toxicity: - Ingestion:	Harmful if swallowed LD <sub>50</sub> /oral/rat = 640 - 1000 mg/kg
Skin contact:	Not classified as Harmful in contact with skin
Eye contact:	Irritating to eyes
Inhalation:	Harmful by inhalation
Additional information:	None

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**12. Ecological Information****Mobility:**

Fairly mobile, but rapidly degraded in aerobic soils.

**Persistence/degradability:**

Will photodegrade in water

**Bioaccumulation:**

Potential for bioaccumulation is low based on log Pow

**Ecotoxicity:**

LC50/96hr/carp= 182 mg/l (for DMA salt)

**13. Disposal Considerations****Waste from residues/unused products:**

In accordance with local and national regulations.

**Contaminated packaging:**

In accordance with local and national regulations.

**14. Transport Information****15. Regulatory Information****Classification according to the current UK Chemicals (Hazard Information and Packaging for Supply) Regulations****Contains:**

Dichlorprop-p as the potassium salt

**Symbol(s):****Risk phrase(s):**

Xn - Harmful.

R20/22 - Harmful by inhalation and if swallowed

R36 - Irritating to eyes.

**Safety phrase(s):**

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

**Additional information:**

This Safety Data Sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation

**16. Other Information****This data sheet was prepared in accordance with Directive 93/112/EC**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal release and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.