

**PRODUCT SAFETY DATA SHEET**  
**FOUNDATION**

**1. Identification of the Company and the Preparation**

**Trade Name: FOUNDATION**

**A herbicide for use in agriculture**

**Marketed by:**

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**2. Composition:**

Ingredient CAS No Conc'n Class'n Risk Phrases

R-mecoprop 66423-05-0 54.5% w/w Xn R20/22

K salt Xi R41

Dicamba 10007-85-9 7.6% w/w

S-mecoprop

K salt

KOH 1310-58-3 1.5% w/w Xn,C R22, R35

4-chloro-2- 1570-64-5 <0.5% w/w T,C,N R23,R35,R50

methylphenol

**3. Hazards:**

Harmful if swallowed. Irritating to skin.

Risk of serious damage to eyes, toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

EU Classification Xn (Harmful), Dangerous for the Environment N

**4. First Aid Measures:**

Eyes: Irrigate gently with clean water for at least 15 minutes. Seek medical advice if any irritation or redness persists.

Skin: Remove contaminated clothing. Wash the area immediately with clean gently flowing water for 10 minutes, then seek medical advice without delay. Repeat the skin decontamination process until all signs of chemical have gone.

Ingestion: Check breathing and heartbeat and give cardiac massage/artificial respiration if necessary.

If conscious, give plenty of water to drink.

Keep patient at rest and obtain medical attention/send to hospital immediately. Do not induce vomiting.

Inhalation: Remove from exposure and provide maximum ventilation

If there is coughing or difficulty breathing, keep at rest in a position of maximum comfort

**5. Fire Fighting Measures**

Foundation will not burn. If involved in a fire, decomposition fumes and vapours will be toxic. Fire fighters should wear breathing apparatus.

Use dry chemical, foam, water spray, carbon dioxide, sand or earth. Prevent entry of the product or contaminated water into watercourses ditches or drains by bunding the area with sand or earth if possible.

**6. Accidental Release (Spillage)**

Wear suitable protective clothing (see Section 8). Remove contaminated clothing immediately. Do not eat drink or smoke. Keep bystanders away.

Recover gross spillage by pumping using an explosion-proof pump or absorb small quantities onto a suitable absorbent (sand or earth). Transfer to a labelled container for removal to a safe place for disposal as hazardous waste.

Flush the area with plenty of water when all the spillage has been removed.

Prevent the spillage from entering watercourses sewers or drains. Inform the proper authorities if contamination of waterways, sewers or drains is threatened or occurs.

## 7. Storage and Handling

Keep in original container, tightly closed.

Keep cool and dry in a suitable agricultural chemical store under lock and key

Keep away from food, drink and animal feedingstuffs and out of reach of children.

Avoid contact with skin, eyes or clothing. Avoid breathing vapours.

## 8. Personal Protection

Wear coveralls, suitable protective clothing, suitable protective gloves and face-shield to BS2092 when handling the concentrated product or contaminated surfaces and dealing with spillages. Wear suitable respiratory equipment in cases of insufficient ventilation.

Decontaminate all personal protective equipment after use.

Occupational Exposure Limits:

R,S-CMPP K salt None assigned. Calculated OEL based on similar material:

Long-term = 12 mg/m<sup>3</sup> (8-hour ref. period)

Short-term = 24 mg/m<sup>3</sup> (15 minute ref. period)

Dicamba, K salt None assigned.

KOH Short-term = 2mg/m<sup>3</sup> (15 minute ref. period)

4-chloro-2-methyl

phenol None assigned

## 9. Physical and Chemical Properties

Appearance: a brown liquid

Odour: characteristic phenolic odour

PH: 9.0 – 11.0

Solubility: Fully miscible with water

Specific Gravity: 1.280 – 1.310

## 10. Stability and Reactivity

Stability: Very stable. Stores for at least 2 years in original containers in normal agricultural chemical storage conditions. Avoid excessive heat.

Reactivity: Avoid contact with strong acids, bases and oxidising agents.

Decomposition: may generate carbon and nitrogen oxides and hydrogen chloride.

## 11. Toxicological Information

### Acute Toxicity:

Acute oral LD50: 834 mg/kg.bw (rat)

Acute dermal LD50: >4000 mg/kg.bw (rabbit)

Inhalation LC50: No data

Irritancy: Irritating to skin

Risk of serious damage to eyes

## 12. Environmental Protection

Harmful to fish or other aquatic life. Do not contaminate surface waters or ditches with chemical or used container.

LC50 (96 hour): Rainbow trout > 150 mg/litre

Behaviour in soils: Fairly mobile but rapidly degraded in soils. Low bio-accumulation potential

## 13. Disposal of Unwanted Product and Used Containers

Consult the local authorities before disposing of unwanted chemical. It is recommended that the chemical is mixed with a combustible solvent and burned in a chemical incinerator equipped with an afterburner and scrubber.

Triple-rinse containers and dispose of by burning or as permitted by local authorities. Do not re-use containers for any purpose.

## 14. Transport Information

### Road Transport: Not classified

UN Number: None

Proper Shipping Name: N/A

UN Class: Not classified

CPL Packing Group: N/A

ADR/RID Description: N/A

IMDG Class: Not classified

## **15. Regulatory Information**

### **Hazard Symbol: Harmful Xn, Dangerous for the Environment N**

#### Risk Phrases:

R22 Harmful if swallowed

R38 Irritating to skin

R41 Risk of serious damage to eyes

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety Phrases

S2 Keep out of reach of children

S13 Keep away from food drink and animal feedingstuffs

S20/21 When using do not eat drink or smoke

S26 In case of contact with eyes, rinse

immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, suitable gloves and eye/face protection

S57 Use appropriate containment to avoid environmental contamination.

## **16. Other Information**

The above information is intended to give health and safety guidance on the storage and transport of the substance or product to which it relates. It is not intended to apply to the use of the product, for which purpose the product label and any appropriate technical usage literature available should be consulted and any relevant licences, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate to the best of the issuer's available knowledge at the date of publication, and will be updated as and when appropriate. No liability will be accepted for any loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Foundation is a registered trademark of Syngenta Crop Protection Ltd.

Foundation is approved in the UK for use as a herbicide.

Registration Number MAPP 11708.