# **SAFETY DATA SHEET**

#### **CHARGE**

This safety data sheet complies with the requirements of: Regulation (EC) No. 453/2010 and Regulation (EC) No. 1272/2008



SDS #: 10231-1-A

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Format: EU Version 1.01

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Code(s) 10231-1-A

Product Name CHARGE

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

Recommended Use: Herbicide, Restricted to professional users

**Restrictions on use**Use as recommended by the label.

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

<u>Supplier</u> FMC Agro Limited

Rectors Lane
Pentre
Flintshire
CH5 2DH
United Kingdom
Tel: + 44 1244 537370
E-mail: fmc.agro.uk@fmc.com

# For further information, please contact:

Contact point E-Mail: SDS-Info@fmc.com

Phone: +1 215-299-6000 (General Information)

# 1.4. Emergency telephone number

## **Emergency telephone**

For leak, fire, spill, or accident emergencies, call: 1 800 / 424-9300 (CHEMTREC - U.S.A. & Canada)

1 703 / 527 3887 (CHEMTREC - All Other Countries - Collect)

Medical emergencies:

Austria: +43 1 406 43 43 Belgium: +32 70 245 245 Bulgaria: +359 2 9154 409

Cyprus: 1401

Czech Republic: +420 224 919 293, +420 224 915 402

Denmark: +45 82 12 12 12 France: +33 (0) 1 45 42 59 59 Finland: +358 9 471 977 Greece: 30 210 77 93 777 Hungary: +36 80 20 11 99

Ireland (Republic): +352 1 809 2166

Italy: +39 02 6610 1029

Lithuania: +370 523 62052, +370 687 53378

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Luxembourg: +352 8002 5500 Netherlands: +31 30 274 88 88 Norway: +47 22 591300

Poland: +48 22 619 66 54, +48 22 619 08 97

Portugal: 800 250 250 (in Portugal only), +351 21 330 3284

Romania: +40 21318 3606 Slovakia: +421 2 54 77 4 166 Slovenia: +386 41 650 500 Spain: +34 91 562 04 20 Sweden: +46 08-331231112

Switzerland: 145

United Kingdom: 0870 600 6266 (in the UK only)

U.S.A. & Canada: +1 800 / 331-3148

All other countries: +1 651 / 632-6793 (Collect)

# **Section 2: HAZARDS IDENTIFICATION**

# 2.1. Classification of the substance or mixture Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 (H302)
Skin corrosion/irritation	Category 2 (H315)
Serious eye damage/eye irritation	Category 1 (H318)
Acute aquatic toxicity	Category 1 (H400)
Chronic aquatic toxicity	Category 1 (H410)

## 2.2. Label elements





Signal Word Danger

## **Hazard Statements**

H302 - Harmful if swallowed H315 - Causes skin irritation

H318 - Causes serious eye damage

H410 - Very toxic to aquatic life with long lasting effects

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

## **Precautionary Statements**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P501 - Dispose of contents/ container to an approved waste disposal plant in accordance with local, regional, and national regulations.

## 2.3. Other hazards

May be harmful if swallowed. Causes skin irritation. Causes serious eye damage.

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Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

# Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

The product is a mixture, not a substance.

#### 3.2 Mixtures

Chemical name	EC-No	CAS-No	Weight percent	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
(R)-2-(4-CHLORO-2-M ETHYLPHENOXY)PR OPIONIC ACID, POTASSIUM SALT		66423-05-0	56.5	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 2, H411	No data available
Tetrasodium EDTA	200-449-4	60-00-4	0.2	Acute Tox. 4 (Inhalation), (H332) Eye Irrit. 2, (H319) STOT RE 2, (H373)	No data available

#### **Additional Information**

For the full text of the H- and EUH- phrases mentioned in this Section, see Section 16

# **Section 4: FIRST AID MEASURES**

#### 4.1. Description of first aid measures

General Advice Call a poison control center or a doctor if you feel unwell.

**Eye Contact** Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove

contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Transfer to

hospital for specialist examination.

**Skin Contact**Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. If skin irritation occurs: Get medical advice/ attention.

Inhalation IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

Ingestion Rinse mouth. Call a POISON CENTRE or doctor/physician if exposed or you feel unwell.

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

Most important symptoms and effects, both acute and delayed

Skin contact may cause irritation and allergic reactions.

Causes serious eye damage.

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

Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

# **Section 5: FIREFIGHTING MEASURES**

# 5.1. Extinguishing media

#### Suitable Extinguishing Media

Dry chemical, CO2, water spray or regular foam.

## Unsuitable extinguishing media

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Avoid heavy hose streams.

# 5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapours.

**Hazardous Combustion** 

Chlorine, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Hydrogen chloride.

**Products** 

## 5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear. 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**

Ventilate the area. In case of spill, avoid contact. Isolate area and keep out animals and unprotected persons. Keep people away from and upwind of spill/leak. Stop leak if you can do it without risk.

For further clean-up instructions, call Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

#### For emergency responders

Use personal protection recommended in Section 8.

## 6.2. Environmental precautions

Avoid penetration into waterways, sewers, soil or groundwater.

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

**Methods for Containment**Contain spills with earth or sand or inert absorbent.

Methods for cleaning up Pick up and transfer to properly labelled containers. Dispose of in accordance with all

applicable national environmental laws and regulations. Dispose of waste as indicated in

Section 13.

# 6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

# Section 7: HANDLING AND STORAGE

## 7.1. Precautions for safe handling

#### Handling

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use according to package label instructions. Refer to Section 8.

## Hygiene measures

Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

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

#### Storage

Store in a well-ventilated place. Keep cool.

# 7.3. Specific end use(s)

#### Specific Use(s)

The product is a registered pesticide which may only be used for the applications it is registered for, in accordance with a label approved by the regulatory authorities.

#### **Risk Management Methods (RMM)**

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The information required is contained in this Safety Data Sheet.

# Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

(R)-2-(4-CHLORO-2-METHYLPHENOXY)PROPIONIC ACID, POTASSIUM SALT (66423-05-0)

United Kingdom: WEL TWA = 10 mg/m<sup>3</sup> 8 h United Kingdom: WEL STEL = 20 mg/m<sup>3</sup> 15 min

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration** 

(PNEC)

No information available.

8.2. Exposure controls

**Engineering measures** Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face Protection Safety glasses with side-shields. Maintain eye wash fountain and quick-drench facilities in

work area.

**Hand Protection** Protective gloves, Nitrile rubber. PVC gloves.

Skin and Body Protection Impervious clothing.

Respiratory Protection The product does not automatically present an airborne exposure concern during normal

handling. In the event of an accidental discharge of the material which produces a heavy vapour or mist, workers should put on officially approved respiratory protection equipment

with a universal filter type including particle filter.

specific Member State legislation for requirements under Community environmental

legislation.

# **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

Physical StateLiquidAppearanceLiquidOdourPhenolicColourBrown

Odour threshold No information available pH 9.0 (100%); 6.8(1%)

Melting point/freezing point No information available

Boiling point/boiling range > 100 °C
Flash point > 100 °C

**Evaporation Rate** No information available

Flammability (solid, gas) Flammability Limit in Air

Upper flammability limit:
Lower flammability limit
Vapour pressure
Vapour density

No information available
No information available
No information available
No information available

Specific gravity 1.254

Water solubility Miscible with water
Solubility in other solvents No information available

Partition coefficient -0.19 MCPP-p Autoignition temperature >600 °C

Decomposition temperature
Viscosity, kinematic

No information available
No information available

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Viscosity, dynamic No information available

Explosive properties Not explosive

Oxidising properties Non-oxidizing (by EC criteria)

9.2. Other information

Softening point
Molecular weight
VOC content (%)
Density
Bulk density
No information available

# **Section 10: STABILITY AND REACTIVITY**

## 10.1. Reactivity

Stable under recommended storage conditions

#### 10.2. Chemical stability

Stable under recommended storage conditions.

#### **Explosion data**

Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

## 10.3. Possibility of hazardous reactions

#### Hazardous polymerisation

Hazardous polymerization does not occur.

#### **Hazardous reactions**

None under normal processing. Decomposition may occur on exposure to conditions or materials listed below.

## 10.4. Conditions to avoid

Heat.

# 10.5. Incompatible materials

Strong acids, oxidising agents.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11: TOXICOLOGICAL INFORMATION

## 11.1. Information on toxicological effects

# **Acute toxicity**

#### **Product Information**

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 LD50 Oral
 500-2000 mg/kg (rat)

 LD50 Dermal
 > 4000 mg/kg (rat)

 Inhalation LC50
 > 5.4 mg/l (4-hr) (rat)

Skin corrosion/irritation Causes skin irritation.
Serious eye damage/eye irritation Causes serious eye irritation.

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Sensitisation Based on available data, the classification criteria are not met

MutagenicityBased on available data, the classification criteria are not met.CarcinogenicityBased on available data, the classification criteria are not met.

Reproductive toxicity
Developmental toxicity
STOT - single exposure
STOT - repeated exposure
Aspiration hazard

Based on available data, the classification criteria are not met.
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Based on available data, the classification criteria are not met.

# **Section 12: ECOLOGICAL INFORMATION**

#### 12.1. Toxicity

**Ecotoxicity** Very toxic to aquatic life with long lasting effects

The ecotoxicity of the product is measured as:

LC50 96h fish > 100 mg/l Oncorhynchus mykiss EC50 48h crustacea > 100 mg/l Daphnia magna

EC50 72h algae 16.2 mg/l Pseudokircneriella subcapitata; (MCPPp)

Additional ecotoxicological information14d NOErC (Myriophyllum spicatum) 0.00191 mg/L

(total shoot length, fresh weight)

14 d ErC50 (Myriophyllum spicatum) 0.0561 mg/L (total shoot length) 14d ErC10 (Myriophyllum spicatum) <0.01 (total shoot length, fresh weight)

14d NOErC (Myriophyllum spicatum) 0.00191 mg/L (total shoot length, fresh weight)

14 d ErC50 (Myriophyllum spicatum) 0.0561 mg/L (total shoot length) 14d ErC10 (Myriophyllum spicatum) <0.01 (total shoot length, fresh weight)

#### 12.2. Persistence and degradability

Readily biodegradable.

#### 12.3. Bioaccumulative potential

The substance has a low potential to bioaccumulate in the environment.

## 12.4. Mobility in soil

#### Mobility in soil

Mobile in soil.

## **Mobility**

Koc = 135 - 167 (mecoprop-P).

## 12.5. Results of PBT and vPvB assessment

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

## 12.6. Other adverse effects

No information available

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# Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused

products

Dispose of in accordance with local regulations.

Containers must be disposed of in accordance with local regulations. Refer to the product

label for container disposal instructions.

**OTHER INFORMATION**NOTE: The user's attention is drawn to the possible existence of specific European.

national or local regulations regarding disposal.

# **Section 14: TRANSPORT INFORMATION**

IMDG/IMO

**14.1 UN/ID no** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s (mecoprop-p)

 14.3 Hazard class
 9

 14.4 Packing Group
 III

 14.5 Marine Pollutant
 Yes

 Environmental Hazard
 Yes

**14.6 Special Provisions**Avoid any unnecessary contact with the product. Misuse can result in damage to health. Do

not release to the environment

Special provisions (IMDG): 274, 335, 969

Limited quantities (IMDG): 5 L Excepted quantities (IMDG): E1

Packing instructions (IMDG): P001, LP01 Special packing provisions (IMDG): PP1 IBC packing instructions (IMDG): IBC03

Tank instructions (IMDG): T4

Tank special provisions (IMDG): TP2, TP29

EmS-No. (Fire) : F-A EmS-No. (Spillage) : S-F Stowage category (IMDG) : A

14.7 Transport in bulk according to The product is not transported in bulk by ship.

Annex II of MARPOL and the IBC

Code

RID

**14.1 UN/ID no** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s (mecoprop-p)

14.3 Hazard class914.4 Packing GroupIII14.5 Environmental HazardYes

**14.6 Special Provisions**Avoid any unnecessary contact with the product. Misuse can result in damage to health. Do

not release to the environment

ADR/RID

**14.1 UN/ID no** UN308

**14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s (mecoprop-p)

14.3 Hazard class914.4 Packing GroupIII14.5 Environmental HazardYes

**14.6 Special Provisions**Avoid any unnecessary contact with the product. Misuse can result in damage to health. Do

not discharge to the environment.

Classification code (ADR): M6

Special provisions (ADR): 274, 335, 375, 601

Limited quantities (ADR): 5I

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Excepted quantities (ADR): E1

Packing instructions (ADR): P001, IBC03, LP01, R001

Special packing provisions (ADR): PP1 Mixed packing provisions (ADR): MP19

Portable tank and bulk container instructions (ADR): T4

Portable tank and bulk container special provisions (ADR): TP1, TP29

Tank code (ADR): LGBV Vehicle for tank carriage: AT Transport category (ADR): 3

Special provisions for carriage - Packages (ADR): V12

Special provisions for carriage - Loading, unloading and handling (ADR): CV13

Hazard identification number (Kemler No.): 90

ICAO/IATA

**14.1 UN/ID no** UN3082

**14.2 Proper Shipping Name** Environmentally hazardous substance, liquid, n.o.s (mecoprop-p)

14.3 Hazard class914.4 Packing GroupIII14.5 Environmental HazardYes

**14.6 Special Provisions**Avoid any unnecessary contact with the product. Misuse can result in damage to health. Do

not release to the environment

PCA Excepted quantities (IATA): E1 PCA Limited quantities (IATA): Y964

PCA limited quantity max net quantity (IATA): 30kgG

PCA packing instructions (IATA): 964 PCA max net quantity (IATA): 450L CAO packing instructions (IATA): 964 CAO max net quantity (IATA): 450L Special provisions (IATA): A97, A158, A197

ERG code (IATA): 9L

# **Section 15: REGULATORY INFORMATION**

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

# **National regulations** Young people under the age of 18 are not allowed to work with the substance.

The employer shall assess any risks to the safety or health and any possible effect on the pregnancies or breastfeeding of workers and decide what measures should be taken (Dir.

92/85/EEC).

Germany

WGK Classification

Water hazard class (WGK) 3, severe hazard to water (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal

Immission Control Act - 12.BlmSchV: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

## **European Union**

# Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

# **Persistent Organic Pollutants**

Not Applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not Applicable

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# **International Inventories**

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELINC S (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Tetrasodium EDTA 60-00-4	Х	X	X	Х	X	X	X	X

## 15.2. Chemical safety assessment

A Chemical Safety Assessment has not yet been completed for this substance

## **Section 16: OTHER INFORMATION**

## Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under sections 2 and 3

H302 - Harmful if swallowed

H315 - Causes skin irritation

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

EUH401 - To avoid risks to human health and the environment, comply with the instructions for use

<u>Legend</u>

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS: CAS (Chemical Abstracts Service)

Ceiling: Maximum limit value:

**DNEL:** Derived No Effect Level (DNEL)

**EINECS**: EINECS (European Inventory of Existing Chemical Substances)

GHS: Globally Harmonised System (GHS)

IATA: International Air Transport Association (IATA)
ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods (IMDG)

LC50: LC50 (lethal concentration)

LD50: LD50 (lethal dose)

PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

STEL: Short term exposure limit

**SVHC**: Substances of Very High Concern for Authorisation:

**TWA:** time weighted average

vPvB: very Persistent and very Bioaccumulative

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Reason for revision: Initial Release.

#### Disclaimer

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 and release and is not to be considered a warranty or 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.

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Prepared By

FMC Corporation

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**End of Safety Data Sheet**