



Safety Data Sheet

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Version: 2.07

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

1.1. Product identifier

Product Name: Jewel
Product Code: P50055

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

Recommended Use: Pesticide
 Restricted to professional users
Uses Advised Against: Consumer use.

1.3. Details of the supplier of the safety data sheet

Manufacturer
 Everris International BV
 Nijverheidsweg 1-5; 6422 PD Heerlen (NL)
 Tel: +31 (0) 45-5609100; Fax: +31 (0) 45-5609190

For further information, please contact
 INFO-MSDS@EVERRIS.COM

1.4. Emergency telephone number

IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24h)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Mixture

Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 - (H302)
Serious Eye Damage or Eye Irritation	Category 1 - (H318)
Chronic aquatic toxicity	Category 2 - (H411)

Classification according 67/548/EC and 88/379/EC or 1999/45/EC

Xn - Harmful

N - Dangerous for the environment



R-code(s)

Xn;R22 - Xi;R41 - N;R50/53 - R43

Full text of R-phrases: see section 16

2.2. Label elements

Product Identifier:



Signal Word:

Danger

Hazard Statements:

H302 - Harmful if swallowed

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H410 - Very toxic to aquatic life with long lasting effects

Contains Mecoprop-P

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

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 - Immediately call a POISON CENTER or doctor/physician

P270 - Do not eat, drink or smoke when using this product

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

P501 - Dispose of contents/ container to an approved waste disposal plant

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

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Ingredients	EC-No.	CAS-No	Weight %	Classification according to 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Mecoprop-P	240-539-0	16484-77-8	40 - 65%	N;R51/53 Xi;R41 Xn;R22	Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)	01-2119447100-56
Water	231-791-2	7732-18-5	25 - 40%	NE	Not classified	Exempt
Carfentrazone-ethyl	607-309-00-5	128639-02-1	1 - 5%	N;R50/53	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice:

First aid measures should be executed by trained personnel only.

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
Skin Contact:	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion:	Call a physician or Poison Control Centre immediately. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.
Protection of First-Aiders:	Low hazard for usual industrial or commercial handling.

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

Symptoms:	May cause allergy or asthma symptoms or breathing difficulties if inhaled, Dizziness, loss of coordination
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4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician:	None under normal processing.
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Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Foam. powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media:

Water.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for firefighters

Evacuate area and fight fire from a safe distance. In the event of fire and/or explosion do not breathe fumes. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions: Avoid contact with skin and eyes. Ensure adequate ventilation.

For Emergency Responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Do not allow product to enter the environment uncontrolled.

6.3. Methods and material for containment and cleaning up

Methods for Containment: Prevent dust cloud. Apply water spray to cool and solidify. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Neutralise non-recoverable product with a solution of caustic or soda ash, and an appropriate alcohol (methanol, ethanol or isopropanol).

Methods for Cleanup: Wash off with plenty of water and soap. Take up mechanically and collect in suitable container for disposal. Dispose of in accordance with local regulations.

6.4. Reference to other sections

§ 8, 12, 13.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

General hygiene considerations:

Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Shower or bathe at the end of working.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/storage conditions:

Keep containers tightly closed in a cool, well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children.

Packaging Materials:

Store in original container.

7.3. Specific end use(s)

Specific use(s)

Pesticide; Read and follow label instructions

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

No information available.

Derived No Effect Level (DNEL)

No data available

Predicted No Effect Concentration (PNEC)

No data available.

8.2. Exposure controls

Engineering Measures to Reduce Exposure:

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face Protection:

Tightly fitting safety goggles

Hand protection:

Nitrile rubber (0.26 mm). Break through time. > 8 h.

Respiratory Protection:

In case of insufficient ventilation wear suitable respiratory equipment

Skin and Body Protection:

Wear safety shoes

Hygiene Measures:

Follow good housekeeping practices. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State:

Solid

Appearance:

pellets

Color:

brown.

Odor:

Slight phenolic

pH:

7.68 .

Melting Point/Freezing Point:

no data available

Boiling Point/Range:

Solid, not applicable

Flash Point:

Solid, not applicable

Evaporation Rate:

Solid, not applicable

Flammability (solid, gas):

Non-flammable

Vapor Pressure:

Solid, not applicable

Vapor Density:

Solid, not applicable

Specific Gravity:

no data available

Water Solubility:

Soluble in water

Solubility(ies)

no data available

Partition Coefficient: Solid, not applicable
Autoignition Temperature: 265 °C
Decomposition Temperature: no data available
Explosive Properties: Doesn't present explosion hazard. Based on data of ingredients.

9.2. Other information

Density: 0.4429 - 0.463 g/ml
Bulk density: no data available

Section 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Not reactive.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions**Hazardous Decomposition Products:**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Possibility of Hazardous Reactions:

None under normal processing.

10.4. Conditions to avoid

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Carbon oxides (CO and CO₂). Nitrogen oxides (NO_x). Nitrogen oxides (NO_x). Hydrogen chloride. Hydrogen fluoride.

Section 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute Toxicity****Product Information:**

Inhalation: May cause irritation of respiratory tract.
Eye Contact: Causes serious eye damage.
Skin Contact: May cause irritation.
Ingestion: Harmful if swallowed.
Unknown Acute Toxicity: 35% of the mixture consists of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document:
ATEmix (oral): 542.00 mg/kg

LD50/oral: Rat 1464 mg/kg
LD50/dermal: Rat > 2000 mg/kg
LC50/inhalation: Rat > 5 mg/l 4 hr
Component Information:

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
Mecoprop-P	1464	> 2000	> 5 mg/l/4h
Water	>2000 mg/kg		
Carfentrazone-ethyl	3		

Skin Corrosion or Irritation

See also section 3.

Serious Eye Damage or Eye Irritation

H318 - Causes serious eye damage.

Sensitization

May cause an allergic skin reaction.

Mutagenic effects

See also section 3.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Reproductive Toxicity

Teratogenicity
STOT - Single Exposure
STOT - Repeated Exposure
Aspiration Hazard

No data available.
 No known effects under normal use conditions.
 None under normal use conditions.
 No data available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Ingredients	Algae/aquatic plants	Fish	Crustacea
Mecoprop-P	141.4 mg/l/48h	35.4 mg/l/96h	
Carfentrazone-ethyl	0.896 mg/l/72h	1.6 mg/l	

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

None known

Ingredients	Bioconcentration factor (BCF)
Mecoprop-P	3
Carfentrazone-ethyl	159
Ingredients	LOGPOW
Mecoprop-P	-0.19 - 1.44 (pH=5-9)
Carfentrazone-ethyl	3.36

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

not applicable

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal of Wastes:

Should not be released into the environment. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging:

Do not re-use empty containers. Dispose of as unused product.

Other Information:

Use up product completely. Packaging material is industrial waste.

Section 14: TRANSPORT INFORMATION

IMO / IMDG

14.1

UN-No:

3077

14.2

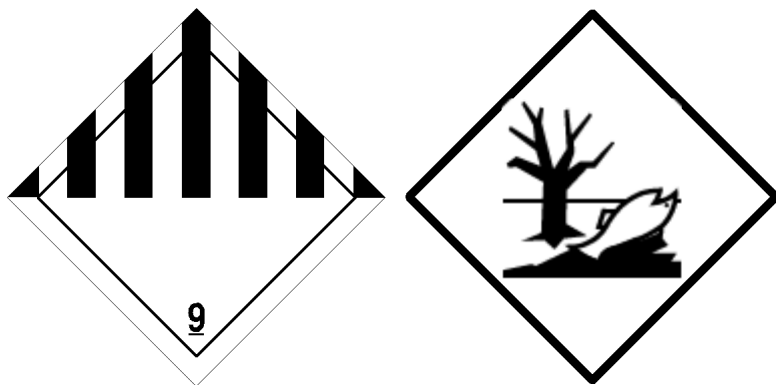
Proper shipping name:	Environmentally Hazardous Substance Solid N.O.S. (mecoprop-P and its salts, (R)-2-(4 chloro-2-methylphenoxy)propionic acid (16484-77-8) Carfentrazone-ethyl (ISO) 128639-02-1)
14.3 Hazard Class:	9
14.4 Packing group:	III
14.5 Marine Pollutant:	This material meets the definition of a marine pollutant
14.6 EmS:	F-A / S-F
Special Provisions	274, 335, 966, 967
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated

ADR/RID

14.1 UN-No:	3077
14.2 Proper shipping name:	Environmentally Hazardous Substance Solid N.O.S. (mecoprop-P and its salts, (R)-2-(4 chloro-2-methylphenoxy)propionic acid (16484-77-8) Carfentrazone-ethyl (ISO) 128639-02-1)
14.3 Hazard Class:	9
14.4 Packing group:	III
14.5 Environmental Hazard Classification code	Not regulated M7
14.6 Special Provisions	274
Tunnel restriction code	E
Limited Quantity	5 kg

IATA

14.1 UN-No:	3077
14.2 Proper shipping name:	Environmentally Hazardous Substance Solid N.O.S. (mecoprop-P and its salts, (R)-2-(4 chloro-2-methylphenoxy)propionic acid (16484-77-8) Carfentrazone-ethyl (ISO) 128639-02-1)
14.3 Hazard Class:	9
14.4 Packing group:	III
14.5 Environmental Hazard	Not regulated
14.6 Special Provisions	A97, A158



Section 15: REGULATORY INFORMATION

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

National regulations

France

ICPE (FR): Not regulated

Germany

Gefahrstoffverordnung (Germany) TRGS 511 Not regulated
Water Endangering Class (WGK): No information available

Registration number (UK): MAPP 16212
 PCS No.: 02953

European Union

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

15.2. Chemical safety assessment

Not required. Substance(s) usage is covered according to Reach regulation 1907/2006.

Section 16: OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R41 - Risk of serious damage to eyes
 R22 - Harmful if swallowed
 R43 - May cause sensitization by skin contact
 R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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

H400 - Very toxic to aquatic life
 H410 - Very toxic to aquatic life with long lasting effects
 H302 - Harmful if swallowed
 H318 - Causes serious eye damage
 H411 - Toxic to aquatic life with long lasting effects
 H317 - May cause an allergic skin reaction

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

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
ICAO: International Civil Aviation Organization
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PNEC: Predicted No Effect Concentration
DNEL: Derived No-Effect Level
Reach: Registration, Evaluation, authorization of Chemicals
CLP: EU-GHS; Classification, Labelling and Packaging
OEL: Occupational Exposure Limit
TWA: Time Weighted Average
ATE: Acute Toxicity Estimate
EUH statement: CLP (EU) specific hazard statement.

Classification procedure:

- Calculation method
- Expert judgment and weight of evidence determination

Key literature references and sources for data

According to EC Regulation 1907/2006 (Reach), Regulation EU No. 453/2010
Regulation (EC) No 1272/2008

Prepared by:

Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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End of Safety Data Sheet