

SECTION 1: IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE COMPANY OR ENTERPRISE

1.1 Product identification

Product type: Fertilizer

Product name: EXPERT ADDITIVE

Name of substance: Potassium solution (1% w/w) with unicellular algae extract (min 20% w/w)

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

1.2.1 Relevant identified uses

Agriculture: Additive for fertilizer solutions

1.2.2. Uses advised against

No further information available

1.3 Safety data sheet supplier information

Supplier:
CROPCELL WORLD S.L.
Av. Constitución 43
07340 Alaró (Illes Balears)

Distributor:
CROPCELL WORLD S.L.
Av. Constitución 43
07340 Alaró (Illes Balears)

1.4 Emergency telephone

National Institute of Toxicology: 915 620 420

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to European Regulation 1272/2008: Not classified

Classification according to Directive 67/548/EEC: Not classified

Most important adverse health effects: The product presents no particular hazards if handled according to appropriate safety and hygiene measures.

Significant adverse effects on the environment: Not classified

2.2 Label elements

Labelling according to European Regulation 1272/2008

Pictogram: not required

Signal word: not required

Precautionary statements

P102 Keep out of the reach of children.

P270 Do not eat, drink or smoke during use.

See Section 16 for information on full text hazard statements (H).

Supplementary information: Not applicable

2.3 Other hazards

Substance meets BBT criteria according to Regulation EC 1907/2006, Annex XIII: NA

Substance meets vPvB criteria according to Regulation EC 1907/2006, Annex XIII: NA

Other hazards not resulting from classification: NA

See Section 11 for more detailed information on symptoms and health effects.

SECTION 3: COMPOSITION/INFORMATION ON COMPONENTS

3.1 Substances

Name of substance or component:	%	CAS No:	EINECS	CLASSIFICATION REGULATION 1272/2008
Potassium sulphate	<5	7778-80-5	309-203-1	Not classified

3.2 Mixtures

There are no ingredients in the present formulation that, to the best of the supplier's knowledge and at the applicable concentrations, are classified as hazardous to health or the environment and require to be concentrations are classified as hazardous to health or the environment and require listing in this section.

SECTION 4: FIRST AID

4.1 Description of first aid measures

General first-aid measures: In case of feeling unwell, consult a doctor (show the label whenever possible).

First-aid measures in case of inhalation: Remove casualty to fresh air. In case of feeling unwell, consult a doctor.

First-aid measures after skin contact: Remove affected clothing and wash exposed skin areas with mild soap and water, then rinse with warm water. In case of skin irritation: consult a doctor.

First-aid measures after eye contact: IN CASE OF EYE CONTACT: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Consult a physician.

First-aid measures after ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Consult a doctor in case of feeling unwell.

4.2 Main symptoms and effects, acute and delayed

Potential acute health effects

Inhalation: No known critical hazards or significant effect

Ingestion: No known critical hazards or significant effects

Skin contact: No known critical hazards or significant effects

Eye contact: No known critical hazards or significant effects

Eye contact: No specific data

Inhalation: No specific data

Ingestion: No specific data

Skin contact: No specific data

4.3 Indication of any medical care and special treatment that should be given immediately

Symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Any extinguishing agent may be used.

Unsuitable extinguishing media: None known

5.2 Hazards specific to the substance or mixture

Fire hazard: Non-combustible

Explosion hazard: Not classified

In case of fire: Use appropriate extinguishing media: fire extinguishers, dry foam, water or other compounds.

Unusual fire or explosion hazards: Low amounts of oxides may occur.

Explosion hazards by impact: Not available

Explosion hazards from static electricity discharge: Not available

5.3 Recommendations for firefighting personnel

Fire precautions: Observe safety instructions

Firefighting instructions: All firefighting personnel must wear protective suits. Use appropriate means to fight surrounding fires.

Protection during firefighting: Wear self-contained breathing apparatus in the vicinity of the fire.

Additional information: Do not pour directly into drains.

SECTION 6: MEASURES IN CASE OF ACCIDENTAL SPILLAGE

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Avoid contact with the product.

For emergency personnel: Wear appropriate protective clothing.

6.2 Environmental precautions

Do not contaminate water with the product or its container. Do not clean the product application equipment near surface water, avoid contamination through farm drainage systems and roads.

6.3 Environmental precautions

Collect the product with absorbent material such as sand, earth, diatomaceous earth, etc. Prevent spreading by dikes of absorbent material. Collect in specially marked airtight containers. If safe disposal is not possible, contact manufacturer, sales agent or local representative.

Wear suitable personal protective equipment: gloves, protective glasses, boots and impervious suit.

6.4 References to other sections

See Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

Hygiene measures: Do not eat, drink or smoke where the product is used. Handle in accordance with good industrial hygiene and safety procedures.

7.2 Conditions for safe storage, including possible incompatibilities

Technical measures: Handle and open containers with care.

Storage conditions: Keep away from food and drink, including animal feed products.

Incompatible products: Strong acids. Strong oxidizing agents.

Incompatible materials: See Section 10 on incompatible materials.

Storage temperature: 5 - 35°C

Storage place: Store at room temperature. Store away from freezing. Store in a place protected from heat and humidity.

Store in a dry place. Store in a well-ventilated place.

Particular packaging regulations: Keep in original container.

7.3 Specific end uses

Additive for fertilizer solutions in agriculture

SECTION 8: EXPOSURE CONTROLS/INDIVIDUAL PROTECTION

8.1 Control parameters

8.1.1. Occupational exposure limit values: Not assigned to the product.

8.2 Exposure controls

Appropriate engineering controls: Ensure adequate ventilation.

Personal protective equipment: Safety glasses. Protective gloves.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin and body protection: Provide skin protection adapted to the conditions of use.

Respiratory tract protection: Do not breathe aerosols. In case of insufficient ventilation, wear suitable respiratory equipment.



SECTION 9: PHYSICO-CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Liquid
Color: Clear
Olfactory threshold: Not applicable
Odor: Characteristic odor
pH: 6.5-7.5
Melting point/Freezing point: Not available
Initial boiling point and boiling range:

Not available
Flash point: Not available
Evaporation rate: Non-flammable
Flammability: Non-flammable
Upper/lower flammability or explosion limits:

Not available
Vapor pressure: Not available
Vapor density: Air=1:available
Relative density: 1.017 kg/L
Solubility(ies): Soluble in water

Partition coefficient n-octanol/water:

Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available
Explosive properties: Non-explosive
Combustive properties: Non-combustive

9.2 Additional information

Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Information not available

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Under normal conditions none.

10.4 Conditions to avoid

All sources of heat and direct sunlight. Moisture. Ice.

10.5 Incompatible materials

Strongly oxidizing materials

10.6 Hazardous decomposition products

Nitrogen oxide

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Substance

Classification criteria are not met

Skin corrosion or irritation: This product may be irritating to exposed tissue under prolonged and repeated direct exposure.

Serious eye damage or eye irritation: This product may cause eye damage.

Respiratory or skin sensitization: Sensitizing

Genetic toxicity: The product is not mutagenic.

Reproductive toxicity: The product is not toxic for reproduction.

Chronic toxicity: The product has no toxic effects.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity: No data available.

Sediment toxicity: No data available.

Terrestrial toxicity: This product is irritating to animals. Large spills to small areas may significantly alter the nutrient composition of the soil, altering the flora.

12.2 Persistence and degradability

No significant hazards. No studies have been conducted on this mixture at this time..

12.3 Bioaccumulation potential

The product is not bioaccumulative.

12.4 Mobility in soil

No data available.

12.5 Results of the PBT and vPvB assessment

The product is not persistent, bioaccumulative or toxic (PBT), not very persistent, not very bioaccumulative (vPvB).

12.6 Other adverse effects

Substances present that contribute to eutrophication: Releasable nitrogen.

Substances that have an unfavorable influence on the oxygen balance and must be determined by determination of BOD, DOC, etc.: absent.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste management methods

Dispose of safely according to local/national regulations. Avoid personal exposure.

Dispose of waste products in an authorized chemical waste treatment facility.

SECTION 14: TRANSPORT INFORMATION

14.1 UN Number

The product is not hazardous according to applicable transport regulations.

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packaging group

Not applicable

14.5 Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

Additional information: No additional information available

14.6 Special precautions for users

14.6.1. Transport by land: No further information available

14.6.2. Transport by sea: No further information available

14.6.3. Air transport: No further information available

14.6.4. Transport by water: No further information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

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

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

Directive 1999/45/EC on the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labeling of dangerous preparations.

Directive 91/689/EEC on hazardous waste.

Directive 91/156/EEC on waste.

EC Regulation 1907/2007 concerning the registration, evaluation, authorization and restriction of chemicals (REACH).

Regulation (EU) No. 453/2010 amending Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals REACH.

Regulation (EC) 1272/2008 on the classification, labeling and packaging of substances and mixtures.

Royal Decree 363/1995. Regulation on classification, packaging and labeling of hazardous substances.

15.2 Chemical safety assessment

A chemical safety assessment has been carried out for this product.

SECTION 16: OTHER INFORMATION

Revisions to this safety data sheet: Version: 01:

This information is based on our current knowledge and is intended to describe the product for the purposes of

health, safety and environmental requirements only. Therefore, it should not be construed as a guarantee of any

specific characteristics of the product.