

Safety data sheet
according to 1907/2006/EC, Article 31

print: 30.09.2015

rev n°: 3

Revision date: 30.09.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: EFFICIENT

kind of formulation: Soluble concentrated (SL)

Article number: 594149

Use Fertiliser

kind of product: Fertiliser CE - Solution of nitrogen fertilizer with urea-formaldehyde.

Registration number REACH Not applicable.

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

Relevant use: Agriculture.

Application of the substance / the mixture Fertilizer

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Sipcam Italia S.p.A. - via Sempione 195

20016 Pero (MI) n tel: +39 02 353781

Sede operativa: via san Colombano 81/A (LO) tel: +39 0371/5971

1.4 Emergency telephone number:

Emergency phone: + 39 0371 5961 (24/24h)

For any questions regarding this MSDS please contact:

msds@sipcam.it

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Precautionary statements

P233 Keep container tightly closed.

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

Additional information:

Do not contaminate water with the product or its container.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Mixture of non-hazardous substances.

Dangerous components:

N° CAS

Designation

R-Phrases

% Void

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Instantly remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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After inhalation

Keep affected persons into the open air, position comfortably and keep warm.

Seek medical treatment in case of complaints.

After skin contact Instantly wash with water and soap and rinse thoroughly.**After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.**After swallowing**

Rinse out mouth without swallowing, do not induce vomiting.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

Information for doctor Medical treatment based on symptoms.**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents**CO₂, extinguishing powder. Fight larger fires with water spray or alcohol-resistant foam. Do not use a direct stream of water to extinguish.**For safety reasons unsuitable extinguishing agents** None.**5.2 Special hazards arising from the substance or mixture**

Can be released in case of fire:

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Hydrogen cyanide (HCN)

Formaldehyde.

5.3 Advice for firefighters**Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear self-contained breathing apparatus.

Wear full protective suit.

Additional information

Cool endangered containers with water spray jet.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Bring people out of danger.

Ensure adequate ventilation

Wear protective clothing.

6.2 Environmental precautions:

Collect with suitable equipment and do not allow to enter drainage system, surface or ground water.

Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect mechanically.

Dispose of contaminated material as waste according to Section 13.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Store in cool, dry place in tightly closed containers.
Ensure good ventilation/exhaustion at the workplace.
Wear personal protective equipments (PPE).
Avoid contact with the eyes and skin.
Do not eat, drink or smoke while working.

Handling Avoid direct or indirect contact with the product. Do not eat, drink or smoke while working.
Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Keep out the reach of children, unauthorized persons and animals. Keep away from food, drink and animal feedingstuffs.

Store in a cool and ventilated place, away from heat source and direct sunlight without open sewage system.
The product is stable if stored below 30 °C.

Requirements to be met by storerooms and containers:

Store in cool location.
Store only in the original container.

Information about storage in one common storage facility:

Prevent storage with incompatible materials (see chapter 10).
Do not store together with acids.

Further information about storage conditions:

Store container in a well ventilated position.
Store between 0 and 30 °C.

7.3 Specific end use(s)

Agriculture
To be applied strictly for the uses described in the label.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems:

Provide a proper ventilation, especially for indoor workplaces.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals shall be observed.

Keep away from foodstuffs, beverages and food.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working.

Take off immediately all contaminated clothing

Breathing equipment: Use breathing protection in case of insufficient ventilation.

Protection of hands:



Protective gloves (rubber or plastic).

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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Eye protection:

Safety glasses

Body protection:

Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic

pH-value: 7.5-8.5

Change in condition

Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	Not determined

Flash point: Not applicable

Inflammability (solid, gaseous) Product is not inflammable.

Ignition temperature:

Decomposition temperature: Not determined.

Self-inflammability: Product is not selfigniting.

Danger of explosion: Product is not explosive.

Vapour pressure: Not determined.

Density at 20 °C 1.10-1.40 g/cm³

Relative density Not determined.

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with

Water: Fully miscible

Partition coefficient (n-octanol/water): Not determined.

Viscosity:

dynamic at 25 °C: 10 - 40 mPas

Solvent content:

Solids content: 63-67 %

9.2 Other information Conductivity 0.4 (solution 10% at 25 °C).

SECTION 10: Stability and reactivity

10.1 Reactivity The product is not reactive under recommended handling conditions.

10.2 Chemical stability Stable under the recommended handling and storage conditions (see section 7).

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Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions are known.**10.4 Conditions to avoid** Avoid high temperatures.**10.5 Incompatible materials:** Strong acids.**10.6 Hazardous decomposition products:** None in standard storage conditions.**SECTION 11: Toxicological information****11.1 Information on toxicological effects** Available data do not meet classification criteria.**Acute toxicity****Primary irritant effect:****Skin corrosion/irritation**

No further information available

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

Serious eye damage/irritation

No further information available

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

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.**Acute effects (acute toxicity, irritation and corrosivity)** No further information available.**Repeated dose toxicity** No relevant information available.**CMR effects (cancerogenity, mutagenicity and toxicity for reproduction)****CMR effects (cancerogenity, mutagenicity, toxicity for reproduction)**

Available data do not meet classification criteria.

Germ cell mutagenicity Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** None of the ingredients meets the classification requirements.**vPvB:** None of the ingredients meets the classification requirements.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation**

Must be specially treated under adherence to official regulations.

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Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**SECTION 14: Transport information****14.1 UN-Number**

ADR,RID,ADN, ADN, IMDG, IATA Void

14.2 UN proper shipping name

ADN, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR/RID/ADN

Class - (-)

ADN/R Class: Void

IMDG

Class Void

Label -

14.4 Packing group

ADR,RID,ADN, IMDG, IATA Void

14.5 Environmental hazards:**Marine pollutant:** No**14.6 Special precautions for user**

Not applicable.

Kemler Number: -**EMS Number:** -**14.7 Transport in bulk according to Annex II of****MARPOL73/78 and the IBC Code** Not applicable.**UN "Model Regulation":**

UN-, -

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
In case of emergency, contact your local Poison Centre through WHO World Directory.

Department issuing data specification sheet: Product safety department.**Contact:**

Product safety department

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* **Data compared to the previous version altered.**

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