

SAFETY DATA SHEET

CalFlux

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Trade Name	CalFlux
Use/Description of Product	Fertiliser
Manufacturer	Ecoculture Biosciences S.L.Avenida Pablo Iglesias nº8, 8ªA 04003 Almería. Spain Tel: 0034 950220178. info@ecoculturebs.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Contains:	Hazardous ingredient: Zinc Nitrate 1-5% EINECS: 5.1-06 [Xn] R20/21/22; [C] R34; [Xi] R37
------------------	--

3. HAZARDS IDENTIFICATION

Main Hazards	Irritating to eyes and skin
---------------------	-----------------------------

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact	There may be irritation and redness at the site of contact
Eye contact	There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage
Ingestion	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest

4. FIRST AID MEASURES (ACTION)

Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water
Eye contact	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination
Ingestion	Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor
Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so

5. FIRE-FIGHTING MEASURES

Extinguishing media	Suitable extinguishing media for surrounding fire should be used. Use water spray to cool containers
Exposure hazards	In combustion emits toxic fumes
Protection of fire fighters	Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing – see section 8 of SDS. Turn leaking containers leak side up to prevent escape of liquid
Environmental precautions	Do not discharge into drains or rivers. Contain the spill using bunding
Clean up procedures	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by the appropriate method

SAFETY DATA SHEET

CalFlux

7. HANDLING AND STORAGE

Handling requirements	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid formation or spread of mists in the air
Storage conditions	Store in a cool, well ventilated area. Keep container tightly closed

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	Ensure there is sufficient ventilation in the area
Respiratory protection	Self contained breathing apparatus must be available in case of emergency
Hand protection	Protective gloves
Eye protection	Safety glasses. Ensure eye bath is to hand
Skin protection	Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

State	Liquid
Colour	Brown/Black
Odour	Fruity Aroma
Evaporation rate	Slow
Oxidising	Non-oxidising (by EC criteria)
Solubility in water	Highly soluble
Viscosity	Non-viscous
Relative density	1,290 +/- 0,010
pH:	2 +/- 1

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to avoid	Heat
Materials to avoid	Strong oxidising agents. Strong acids
Haz. Decomp. products	In combustion emits toxic fumes

11. TOXICOLOGICAL INFORMATION

Routes of exposure	Refer to section 4 of SDS for routes of exposure and corresponding symptoms
---------------------------	---

12. ECOLOGICAL INFORMATION

Mobility	Readily absorbed into the soil
Persistence and degradability	Biodegradable
Bio accumulative potential	No bioaccumulation potential
Other adverse effects	Negligible ecotoxicity

SAFETY DATA SHEET

CalFlux

13. DISPOSAL CONSIDERATIONS

NB: The users attention is drawn to the possible existence of regional or national regulations regarding disposal

14. TRANSPORT INFORMATION

ADR/RID

UN No -

Shipping Name -

IMDG/IMO

UN No -

IATA/ICAO

UN No -

15. REGULATORY INFORMATION

Hazard symbols Irritant

Risk phrases R36/38: Irritating to eyes and skin

Note The regulatory information given above only indicates the principle regulations specifically applicable to the product described in the safety data sheet. The users' attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2 R20/21/22: Harmful by inhalation, in contact with skin and if swallowed

R34: Causes burns

R37: Irritating to respiratory system

Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.