

Safety Data Sheet

Issue date: 21-May-2002

replaces all previous editions

FLEX

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

Identification of the substance or preparation

Trade Name FLEX
Design Code YF 7816
AGI Code 0561850

Company identification

Company Syngenta Crop Protection UK Ltd
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Product Description

A post emergence herbicide.
An aqueous solution.

EEC-No. : 276-439-9 Fomesafen

CAS-No.	Hazardous ingredients	% w/v	Hazard symbols	Risk Phrases (R)
72178-02-0	Fomesafen	25	Xn	21/22-36-43

3. HAZARDS IDENTIFICATION

Irritating to eyes. May cause sensitisation by skin contact.

4. FIRST AID MEASURES

Eye contact : Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Skin contact : Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-issue.

Inhalation : Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.

Ingestion : If swallowed seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting.

Medical advice

Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Keep fire exposed containers cool by spraying with water.

Extinguishing media : For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Protective Equipment : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods : Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

Spillages or uncontrolled discharges into watercourses must be alerted to the regulatory body.

7. HANDLING AND STORAGE

Handling

Read the label before use.

Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Storage

Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Protect from frost.

Storage Life: Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls

Internal exposure limit: (Fomesafen)

SIEL (Syngenta internal occupational exposure level): 8 hr TWA 2 mg/m³.

Not applicable to field use.

Personal Protection

When using this product refer to the label for details.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid.
Colour	: Brown.
Odour	: Not available.
Boiling point	: approx 100 °C aqueous solution.
Melting point	: Not available.
Flash point	: Does not flash.
Autoignition temperature	: Not available.
Explosive properties	: Not applicable.
Vapour pressure	: Not available.
Density	: 1.15 g/ml (at 20 °C)
Solubility	: Miscible in/with water.
pH-value (quant.)	: 7.5 .. 8.5
Partition coeff.	: Not available.
Oxidizing properties	: Not applicable.

10. STABILITY AND REACTIVITY

Hazardous decomposition products : Combustion or thermal decomposition will evolve toxic and irritant vapours.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity (Lethal Doses)

LD50 Oral rat : > 2000 mg/kg Low oral toxicity.
LD50 Dermal rabbit : (calculated) > 4000 mg/kg
Inhalation : Unlikely to cause harmful effects under normal conditions of handling and use.

Acute Toxicity (Irritation, Sensitisation Etc.)

Eye Irritation : The concentrate is at least a severe eye irritant.
Skin Irritation : Slight/mild irritant to rat skin.
Skin Sensitisation – Buehler : It is a mild skin sensitiser in animal tests.

Chronic Toxicological Effects / Long Term Exposure

Long Term Exposure : No long term risks to man are associated with the normal handling and use of this material.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Unlikely to be hazardous to aquatic life.
Toxicity to fish : LC50 96 hours rainbow trout,: 680 mg formulation/l

13. DISPOSAL CONSIDERATIONS

Do not contaminate ponds, waterways or ditches with chemical or used containers. Surplus material must be disposed of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GIFAP, 1987. Empty containers should be washed and discarded. Empty containers should not be used for other purposes. Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not Classified as Dangerous for Transport.

15. REGULATORY INFORMATION

Classification:

Hazard symbol	Xi	IRRITANT
Risk Phrases (R)	36 43	Irritating to eyes. May cause sensitisation by skin contact.
Safety Phrases (S)	2 13 20/21 24 26 37/39	Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and eye/face protection.

This substance is covered by the EEC Dangerous Substances Directive (CPL Regulations). It has therefore been labelled in accordance with these regulations. Users should ensure that they comply with any relevant local, state or national legislation.

16. OTHER INFORMATION

Based upon SDS release date 16/01/97, version 4.

Always read the label. Use pesticides safely.

Registered as a pesticide under the Control of Pesticide Regulations 1986, MAFF approval number 08885

The information contained herein is based on the present state of our knowledge as is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.
