

VEGAS
C0353-C0094-UK


Xi : Irritant



N : Dangerous for the environment

1. Identification of the product and the company

Name : **VEGAS.**
Chemical description active ingredient(s) : Cyflufenamide : (Z)-N-[a-(cyclopropylmthoxyimino)-2,3-difluoro-6-(trifluoromethyl)benzyl]-2-phenylacetamide (IUPAC)
Chemical formula : C20 H17 F5 N2 O2
GCPF code : EW (Emulsion, oil in Water)
Company identification : CERTIS UK
 1b Mills Way Boscombe Down Business Park
 Amesbury Wiltshire SP4 7RX United Kingdom
 Telephone +44(0)1980 676500
 Fax +44(0)1980 626555
 E-mail: certis@certiseurope.co.uk

Use : Agriculture (Fungicide)
Anti-poison center - Tel. : For advice on medical emergencies, fires, spillages or chemical hazards ONLY - phone +44(0)870 190 6777.
 For further advice for medical professionals - The National Poisons Information Service: Tel: +44(0)870 600 6266 (UK only) or Dublin Tel: 00353 1379 964/379966.
 For further advice for veterinary surgeons: +44(0)20 7635 9195.

Print date : 8 / 4 / 2011

2. Hazards identification

Physical/chemical hazards : The data available does not support physical or chemical hazard. This product is stable under normal circumstances.
Human health hazards : Irritating to skin.
Environmental hazard : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance / preparation : Preparation
Other information : See chapter 16 for full text of R phrases.
 This product is considered to be harmful and contains harmful components.
Composition : Below mentioned are the classified components in the formulation as well as the active ingredient(s).

Substance name	Value(s)	CAS nr	EINECS nr	EC index	Classification
Cyflufenamid	5 %	180409-60-3	-	-	N; R51-53
Solvent Naphtha (petroleum), heavy aromatic	15 - 25 %	64742-94-5	265-198-5	-	Xn: R65 R66 N; R51-53
Additive	5 - 15 %	26266-58-0	247-569-3	-	R10 Xn; R20/21/22 C; R34
Preservative	< 5 %	2634-33-5	220-120-9	613-088-00-6	Xn: R22 Xi; R38-41 R43 N; R50

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VEGAS**C0353-C0094-UK****3. Information on ingredients (continued)**

Substance name	Value(s)	CAS nr	EINECS nr	EC index	Classification
Additive	< 10 %	99734-09-5	-	-	R52-53
Additive	< 5 %	90093-37-1	-	-	Xi; R36

4. First aid measures**First-aid measures**

- **Inhalation** : Move the patient to fresh air. Allow the victim to rest. Place the victim in comfortable position.
Call a physician if you feel unwell.
- **Ingestion** : Immediately wash out mouth with water. Do not induce vomiting.
Seek medical advice.
- **Skin contact** : Wash skin with water and soap. Seek medical attention if irritation persists.
- **Eye contact** : Rinse immediately with plenty of water. After 1 - 2 initial minutes remove contact lenses if present (if easily possible). Continue to rinse with the eyelid wide open for at least 15 minutes.
Seek medical attention if irritation persists.
- Note to physician** : There is no specific antidote known. Supportive care.
Treatment based on the judgement of the physician in response to symptoms of patient.

5. Fire-fighting measures

- Extinguishing media** : Dry chemical powder. Carbon dioxide. Alcohol foam. Water spray.
- Unsuitable extinguishing media** : Not known
- Hazardous thermal (de)composition products** : Burning may produce e.g.: hydrogen fluoride , nitrogen oxides, carbon dioxide , carbon monoxide.
- Special procedures** : Use water spray/fog for cooling of containers.
- Protection of fire fighters** : Full protection clothing. Self-contained breathing apparatus with full face shield.
- Other information** : Move containers away from fire areas if it can be done without risk. If possible to remove containers from fire zone, cool them with water spray.
If impossible to remove containers from fire zone cool them with plenty of water.

6. Accidental release measures

- Personal precautions** : Avoid contact with skin and eyes.
See also section 8. Remove ignition sources.
- Environmental precautions** : Do not dump into sewers, on the ground or into any body of water.
Obey Federal, State and local regulations for health & Safety and environmental protection when accidental spills is treated.
- Methods for cleaning up** : Clean up large spills with vacuum.
Clean the polluted area with detergent and water.
Cover spilled material with sand or an other inert material. Collect spilled material in sealable containers.
Use water with detergent to clean the floor.

7. Handling and storage

- General** : Handle in accordance with good industrial hygiene and safety practise.
- Handling** : Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray.
See also section 8.

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VEGAS**C0353-C0094-UK****7. Handling and storage (continued)**

Storage	: Store in dry, cool area. Keep containers tightly closed.
Storage away from	: Keep away from acids , bases, water.
Other information	: Specific use: The recommendations for specific use are contained in above description.

8. Exposure controls / personal protection

Engineering measures	: Provide adequate ventilation to minimize vapour concentrations.
Personal protection	
- Respiratory protection	: Approved organic vapour respirator.
- Skin protection	: Wear suitable protective clothing, gloves and boots.
- Hand protection	: Use p.v.c. or rubber gloves (inside cotton or rayon)
- Eye protection	: Safety glasses.
Exposure controls	: Not listed.

9. Physical and chemical properties

Appearance	: EW (Emulsion, oil in Water)
Physical state	: Viscous liquid.
Colour	: Off-white to light yellow.
Odour	: Aromatic
pH value	: No data available.
Solubility in water	: Insoluble.
Relative vapour density (air=1)	: No data available.
Self-ignition [°C]	: No data available.
Flash point [°C]	: 112 (Cleaveland open cup)
Flammability	: None.
Melting point [°C]	: Not applicable.
Boiling point [°C]	: No data available.
Vapour pressure	: No data available.
Surface tension	: 33.0 mN/m @ 25°C
Viscosity	: 3.7 x 10E-5 mE2/sec. @ 40°C Though this product contains 18% of solvent naphtha (petroleum) heavy arom., the viscosity of this product was more than 7 x 10E-6 me2/sec. Therefore warningphrase R65 was not applicable according to Annex VI of Directive 67/548/EEC.
Vapour density	: No data available.
Specific gravity	: (H2O=1): 1.028 @ 20°C
Ignition temperature [°C]	: No data available.
Explosion properties	: Not applicable.
Log P octanol / water at 20°C	: No data available.
Evaporation rate (ether=1)	: No data available.

10. Stability and reactivity

Hazardous decomposition products	: Carbon oxides , sulfur oxides, nitrogen oxides, methyl sulphide , hydrogen chloride
Materials to avoid	: Strong acids, bases, strong oxidizers.

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VEGAS**C0353-C0094-UK****10. Stability and reactivity (continued)**

Conditions to avoid : Elevated temperatures.
Hazardous polymerization : Will not occur.

11. Toxicological information

On product
Rat oral LD50 [mg/kg] : > 5000
Dermal (rat) LD50 [mg/kg] : > 2000
Rat inhalation LC50 [mg/l/4h] : > 4.41 (highest achievable concentration)
Dermal irritation (rabbit) : Moderate to severe
Eye irritation (rabbit) : Very mild
Sensitization : Negative. (guinea pig)
Mutagenicity
Ames test : Negative (active ingredient)
Chromosomal aberration test : Negative (Chinese Hamster Lung) (active ingredient)

12. Ecological information

On product : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
LC50-96H-Rainbow trout mg/l : 9.84
EbC50 (Acute toxicity algae) : 1.628 mg/l (72 hours)
EC50-48H-Daphnia Magna mg/l : 9.48
Mobility : Low (Koc 1003 - 2100)
Other harmful effects : No data available.
Persistence and degradability : Not readily biodegradable.
Bioaccumulative potential : BCF 528 @ 10 ug/L (mean of 10 - 28 days)

13. Disposal considerations

Waste-disposal procedures : Do not dump into sewers, on the ground or into any body of water.
Dispose in a safe manner in accordance with local/national regulations.
1) Waste disposal according to 91/689/EEC in the corresponding versions (hazardous waste).
2) Consider classifications(European waste catalogue)02 01 or 07 04.
3) Consult the appropriate local authorities about special requirement.
4) Observe all Federal, State and local laws concerning health and pollution.
Contaminated packaging : Remove as chemical waste, according to national or local legislation.
Comply with local regulations for container disposal.

14. Transport information

- UN No. : **3082**
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. ("Cyflufenamid" / "Solvent naphtha (petroleum), heavy arom. "mixture")
Land transport (ADR/RID)
- ADR Class : 9
- Packing group : III
Hazard identification number : 90

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VEGAS**C0353-C0094-UK****14. Transport information (continued)****Sea transport (IMO)**

- IMDG code : 9
- Packing group : III
IMDG-Marine pollution : Applicable
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. ("Cyflufenamid" / "Solvent naphtha (petroleum), heavy arom. "mixture")

Air transport

- IATA - Class : 9
- IATA Packing group : III
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. ("Cyflufenamid" / "Solvent naphtha (petroleum), heavy arom. "mixture")

15. Regulatory information**EU Classification**

67/548-1999/45-2003/82

Hazard symbol(s) : Xi Irritant , N Dangerous for the environment.**Warning phrases****R Phrase(s)** : R38 : Irritating to skin.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**Safety phrases****S Phrase(s)** : S24 : Avoid contact with skin.
S37 : Wear suitable gloves.
S60 : This material and its container must be disposed of as hazardous waste.
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.**Symbol(s)** :Irritant.
Dangerous for the environment.**Germany**

: Water hazard class (WGK) : 2

16. Other information**Certis code** : WA**Explanation of R-phrases used in section 3** : R10 : Flammable.
R20 : Harmful by inhalation.
R21 : Harmful in contact with skin.
R22 : Harmful if swallowed.
R34 : Causes burns.
R36 : Irritating to eyes.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R43 : May cause sensitization by skin contact.
R50 : Very toxic to aquatic organisms.
R52 : Harmful to aquatic organisms.
R53 : May cause long-term adverse effects in the aquatic environment.
R65 : Harmful : may cause lung damage if swallowed.
R66 : Repeated exposure may cause skin dryness or cracking.**Sources of key data used** : - Material Safety Data Sheet(s) of the producer.
- Classification Database ECB
- The Pesticide Manual, 13th ed (ISBN 1 901396 12 6)
- Certis Europe Expert Team (CEET)**CERTIS UK**

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**MATERIAL SAFETY DATA SHEET**

Page : 6

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VEGAS**C0353-C0094-UK****16. Other information (continued)****Further information** : Revision - See : ***Trade name(s)** : VEGAS

The contents and format of this MSDS are in accordance with EC Commission Directive 93/112/EEC, 99/45/EC, 2001/58/EC and Reach Regulation 1907/2006.

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