

SAFETY DATA SHEET

STRIKEBACK PERSONAL FLEA REPELLENT SPRAY

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

PRODUCT NAME STRIKEBACK PERSONAL FLEA REPELLENT SPRAY

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2 HAZARDS IDENTIFICATION

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Highly flammable.

CLASSIFICATION F;R11. N;R51/53.

ENVIRONMENT

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2-METHYLPROPAN-2-OL	200-889-7	75-65-0	< 1%	F;R11 Xn;R20
ETHANOL	200-578-6	64-17-5	60-100%	F;R11
KEROSINE (PETROLEUM), SOLVENT-REFINED SWEETENED; KEROSINE - UNSPECI	295-416-4	92045-36-8	1-5%	Xn;R65
PIPERONYL BUTOXIDE	200-076-7	51-03-6	5-10%	N;R50/53.
PYRETHRINS INCLUDING CINERINS	232-319-8	8003-34-7	1-5%	Xn;R20/21/22. N;R50/53.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Place unconscious person on the side in the recovery position and ensure breathing Obtain medical attention as a precaution.

INGESTION

DO NOT INDUCE VOMITING! If patient vomits, turn to recovery position give water to drink. Get medical attention.

SKIN CONTACT

Wash skin with soap and water. Liquid may be irritating to persons with sensitive skin.

EYE CONTACT

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES

Use water to keep fire exposed containers cool and disperse vapours. Be aware of danger of explosion.

UNUSUAL FIRE & EXPLOSION HAZARDS

HIGHLY FLAMMABLE!

SPECIFIC HAZARDS

Will ignite if exposed to intense heat or open flame.

PROTECTIVE MEASURES IN FIRE

Contain fire water by bunding area with sand or earth. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

STRIKEBACK PERSONAL FLEA REPELLENT SPRAY**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Prevent entry into drains, sewers and watercourses.

SPILL CLEAN UP METHODS

Extinguish any naked flames and sources of ignition. Absorb with sand or earth and sweep it up. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Do not spray near a naked flame or incandescent surfaces. When using, do not eat, drink or smoke.

STORAGE PRECAUTIONS

Store away from seeds, fertilizers and animal feedstuffs. Flammable/combustible - Keep away from oxidisers, heat and flames.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
2-METHYLPROPAN-2-OL	WEL	100 ppm	308 mg/m3	150 ppm	462 mg/m3
ETHANOL	WEL	1000 ppm	1920 mg/m3		
PYRETHRINS INCLUDING CINERINS	WEL		1 mg/m3		

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Hand protection not required.

EYE PROTECTION

Do not spray near eyes.

HYGIENE MEASURES

Wash hands after handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid
COLOUR	Yellowish
ODOUR	Mild (or faint). Perfume scent
RELATIVE DENSITY	0.81

10 STABILITY AND REACTIVITY**STABILITY**

Stable at normal temperatures and pressures. Not reactive at normal temperatures and pressures. Avoid: Heat, sparks, flames.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO2) are formed.

11 TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION**

Pyrethrins: LD50 rat (oral) 900-2000 mg/kg. LD50 rat (dermal) >1500 mg/kg. Piperonyl Butoxide: LD50 rat (oral) 7500 mg/kg.

INHALATION

No specific health warnings noted.

STRIKEBACK PERSONAL FLEA REPELLENT SPRAY**INGESTION**

May cause nausea, headache, dizziness and intoxication.

SKIN CONTACT

Liquid may irritate skin.

EYE CONTACT

Transient eye irritation may occur.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

ACUTE FISH TOXICITY

Toxic to fish.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

This product must be disposed of in accordance with Local and/or National Waste Disposal Regulations.

14 TRANSPORT INFORMATION

UK ROAD CLASS	3		
PROPER SHIPPING NAME	ALCOHOLS, N.O.S. (ETHANOL, 2-METHYLPROPAN-2-OL)		
UN NO. ROAD	1987	UK ROAD PACK GR.	II
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II	HAZARD NO. (ADR)	33 Highly flammable liquid (flash-point below 23°C).
	33	ADR LABEL NO.	3
HAZCHEM CODE	3YE	CEFIC TEC(R) NO.	30GF1-I+III
RID CLASS NO.	3	RID PACK GROUP	II
UN NO. SEA	1987	IMDG CLASS	3
IMDG PACK GR.	II	EMS	F-E, S-D
MARINE POLLUTANT	No.	UN NO. AIR	1987
AIR CLASS	3	AIR PACK GR.	II

15 REGULATORY INFORMATION**LABELLING**

Highly Flammable



Dangerous for the environment

RISK PHRASES

R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R11	Highly flammable.

SAFETY PHRASES

S2	Keep out of the reach of children
S16	Keep away from sources of ignition - No smoking.

STRIKEBACK PERSONAL FLEA REPELLENT SPRAY

S29	Do not empty into drains.
S35	This material and its container must be disposed of in a safe way.
S46	If swallowed, seek medical advice immediately and show this container or label.

16 OTHER INFORMATION

GENERAL INFORMATION

The information contained in this Safety Data Sheet is believed to be true and correct, as of the issue date. The accuracy and completeness of this information and any recommendations, or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use for this product.

REVISION COMMENTS

This is first issue.

ISSUED BY

HS&E Manager.

DATE

21 April 2008

RISK PHRASES IN FULL

R11	Highly flammable.
R20	Harmful by inhalation.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.