



SAFETY DATA SHEET

PROTECTOR NATURAL AEROSOL

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

PRODUCT NAME	PROTECTOR NATURAL AEROSOL
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2 HAZARDS IDENTIFICATION

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

CLASSIFICATION F+;R12. N;R51/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
d-LIMONENE		8028-48-6	< 1%	Xi;R38. N;R50/53. R10,R43.
NAPHTHA(PETROLEUM), HYDROTREATED LIGHT; LOW BOILING POINT HYDROGEN		64742-49-0	< 1%	Xn;R65. Xi;R38. F;R11. N;R51/53. R66,R67.
PIPERONYL BUTOXIDE ENDURA	200-076-7	51-03-6	1-5%	N;R50/53.
PYRETHRINS INCLUDING CINERINS	232-319-8	8003-34-7	< 1%	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. If breathing stops, provide artificial respiration. Get medical attention.

INGESTION

DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

SKIN CONTACT

Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide, dry powder or water fog.

SPECIAL FIRE FIGHTING PROCEDURES

Fight advanced or massive fires from safe distance or protected location. Be aware of danger of explosion. Containers close to fire should be removed immediately or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire.

SPECIFIC HAZARDS

In case of fire, toxic gases may be formed.

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PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of spray mist and contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid inhalation of vapours/spray and contact with skin and eyes. Keep away from heat, sparks and open flame.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
PYRETHRINS INCLUDING CINERINS	WEL		1 mg/m3		

PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

EYE PROTECTION

Do not spray near eyes.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol		
COLOUR	N/A.		
ODOUR	Mild (or faint). Perfume scent		
VOLATILITY DESCRIPTION	Explosive when exposed to heat above 50°C		
BOILING POINT (°C)	Gas liquified under pressure.	FLASH POINT (°C)	Extremely Flammable.
AUTO IGNITION TEMPERATURE (°C)	250		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid exposing aerosol containers to high temperatures or direct sunlight.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire, toxic gases (CO, CO₂, NO_x) may be formed.

11 TOXICOLOGICAL INFORMATION

PROTECTOR NATURAL AEROSOL

TOXIC DOSE 1 - LD 50

>4000 mg/kg (oral rat)

INHALATION

Unlikely to be hazardous in normal use. In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

INGESTION

No harmful effects expected in amounts likely to be ingested by accident.

SKIN CONTACT

Skin irritation is not anticipated when used normally.

EYE CONTACT

May cause temporary eye irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

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

ACUTE FISH TOXICITY

Toxic to fish.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Do not puncture or incinerate even when empty.

DISPOSAL METHODS

No specific disposal method required. Empty containers must not be burned because of explosion hazard.

14 TRANSPORT INFORMATION



UK ROAD CLASS	2		
PROPER SHIPPING NAME	AEROSOLS		
PROPER SHIPPING NAME	AEROSOLS		
UN NO. ROAD	1950	UK ROAD PACK GR.	N/A
ADR CLASS NO.	2	ADR CLASS	Class 2: Gases
ADR PACK GROUP	N/A	ADR LABEL NO.	2.1
CEFIC TEC(R) NO.	20G5F	RID CLASS NO.	2
RID PACK GROUP	N/A	UN NO. SEA	1950
IMDG CLASS	2.1	IMDG PACK GR.	N/A
EMS	F-D, S-U	MARINE POLLUTANT	No.
UN NO. AIR	1950	AIR CLASS	2.1
AIR PACK GR.	N/A		

15 REGULATORY INFORMATION

LABELLING

Extremely Flammable



Dangerous for the environment

RISK PHRASES

R12

Extremely flammable.

R51/53

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

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SAFETY PHRASES

A1	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
A2	Do not spray on a naked flame or any incandescent material.
S2	Keep out of the reach of children
S16	Keep away from sources of ignition - No smoking.
S29	Do not empty into drains.
S35	This material and its container must be disposed of in a safe way.
S51	Use only in well-ventilated areas.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
P14	Contains d-LIMONENE. May produce an allergic reaction.

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.

ISSUED BY

K. Jones.

DATE 28/01/2009

RISK PHRASES IN FULL

R10	Flammable.
R11	Highly flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, 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.
R67	Vapours may cause drowsiness and dizziness.

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.