

**SHOE AND HELMET SPRAY****K259****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product Code K259

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Product Name SHOE AND HELMET SPRAY

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**2 HAZARDS IDENTIFICATION**

R12 Extremely flammable., R67 Vapours may cause drowsiness and dizziness., R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 PRESSURISED CONTAINER - increase in temperature to greater than 50C will cause internal pressure to rise potentially causing bursting/explosion.

Classification F+;R12. N;R51/53. R67.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EINICS No.	CAS No.	Content	Classification
ALIPHATIC HYDROCARBON	265-151-9	64741-84-0	10 - 30%	Xn;R65. F;R11. N;R51/53.
BUTANE	203-448-7	106-97-8	10 - 30%	F+;R12
PENTANE	203-692-4	109-66-0	10 - 30%	F+;R12 Xn;R65 R66 R67 N;R51/53
Triclosan		3380-34-5	0.5 - 1%	Xi;R36/38. 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., Keep the affected person warm and at rest. Get prompt medical attention., For breathing difficulties oxygen may be necessary.
INGESTION	Rinse mouth thoroughly., Provide rest, warmth and fresh air.
SKIN CONTACT	Wash the skin immediately with soap and water., Get medical attention if any discomfort continues.
EYE CONTACT	Promptly wash eyes with plenty of water while lifting the eye lids., Continue to rinse for at least 15 minutes., Get medical attention if any discomfort continues.

**5 FIRE-FIGHTING MEASURES**

EXTINGUISHING MEDIA	Use:, Powder., Dry chemicals, sand, dolomite etc., Water spray, fog or mist.
SPECIAL FIRE FIGHTING PROCEDURES	Containers close to fire should be removed or cooled with water., Use water to keep fire exposed containers cool and disperse vapours.
UNUSUAL FIRE & EXPLOSION HAZARDS	Aerosol cans may explode in a fire.

**6 ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS	Wear necessary protective equipment., Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate., If leakage cannot be stopped, evacuate area.
ENVIRONMENTAL PRECAUTIONS	Any spillage needs to be contained and not allowed to enter water courses

**7 HANDLING AND STORAGE**

USAGE PRECAUTIONS	Keep away from heat, sparks and open flame., Avoid spilling, skin and eye contact., Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
USAGE DESCRIPTION	Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
BUTANE	WEL	600 ppm	1450 mg/m <sup>3</sup>	750 ppm 1810 mg/m <sup>3</sup>

**PROTECTIVE EQUIPMENT**

ENGINEERING MEASURES	Provide adequate general and local exhaust ventilation.
HAND PROTECTION	Use protective gloves.
EYE PROTECTION	Wear approved safety goggles.
OTHER PROTECTION	General workwear only

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Aerosol
PHYSICAL DATA COMMENTS	Information given relates to total aerosol container contents.
FLASH POINT (°C)	- 74

AUTO IGNITION TEMPERATURE (°C)	+ 405
FLAMMABILITY LIMIT - LOWER(%)	1.8
FLAMMABILITY LIMIT - UPPER(%)	10.0

**10 STABILITY AND REACTIVITY**

STABILITY	Stable under normal temperature conditions., Avoid.; Shocks and physical damage.
CONDITIONS TO AVOID	Avoid heat, flames and other sources of ignition.
HAZARDOUS DECOMPOSITION PRODUCTS	Fire creates.; Vapours/gases/fumes of.; Carbon monoxide (CO)., Carbon dioxide (CO <sub>2</sub> ).

**11 TOXICOLOGICAL INFORMATION**

INHALATION	Vapours may cause headache, fatigue, dizziness and nausea., Prolonged inhalation of high concentrations may damage respiratory system., High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.
SKIN CONTACT	Prolonged or repeated exposure may cause severe irritation., Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
EYE CONTACT	May cause severe irritation to eyes.

**12 ECOLOGICAL INFORMATION**

ECOTOXICITY	Toxic to aquatic organisms., May cause long term adverse effects in the aquatic environment.
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**13 DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS	Empty containers must not be burned because of explosion hazard., Dispose of waste and residues in accordance with local authority requirements.
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**14 TRANSPORT INFORMATION**

UN NO. ROAD	1950
UK ROAD CLASS	2
ADR CLASS NO.	2
ADR CLASS	Class 2: Gases
PROPER SHIPPING NAME	AEROSOLS, FLAMMABLE
UN NO. SEA	1950
IMDG CLASS	2.1
UN NO. AIR	1950
AIR CLASS	2.1

**15 REGULATORY INFORMATION**

LABELLING	 
RISK PHRASES	Dangerous for the Environment (N) Extremely Flammable (F+) R12 Extremely flammable., R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment., R67 Vapours may cause drowsiness and dizziness.
SAFETY PHRASES	S2 Keep out of the reach of children, S16 Keep away from sources of ignition - No smoking., S23 Do not breathe vapour/spray., S51 Use only in well-ventilated areas.
STATUTORY INSTRUMENTS	Control of Substances Hazardous to Health., Chemicals (Hazard Information and Packaging) Regulations.
APPROVED CODE OF PRACTICE	Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES	Workplace Exposure Limits EH40., Introduction to Local Exhaust Ventilation HS(G)37., CHIP for everyone HSG(108).

**16 OTHER INFORMATION**

GENERAL INFORMATION	The following risk phrases relate to the raw materials in the product and not the product itself:-
REVISION DATE	08/06/2006
REV. NO./REPL. SDS GENERATED	3
RISK PHRASES IN FULL	R12 Extremely flammable.  R12 Extremely flammable., R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment., R66 Repeated exposure may cause skin dryness or cracking., R67 Vapours may cause drowsiness and dizziness., R65 Harmful: ma  R11 Highly flammable., R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment., R65 Harmful: may cause lung damage if swallowed.  R36/38 Irritating to eyes and skin., R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.