FABRIC PROTECTOR SPRAY

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND USES

PRODUCT NAME: **Fabric Protector Aerosol**

PRODUCT TYPE: A hand-held pre-pressurised aerosol.

SPECIFIED USE: Fabric Protection - Professional use only.

2. COMPOSITION INFORMATION

ACTIVE CONTENTS: Fluorinated copolymer

OTHER CONTENTS: Aliphatic hydrocarbon with hydrocarbon propellant.

COMPOSITION:

Aliphatic Hydrocarbon	CAS No: 64741-84-0	Risk Phrs: F, Xn, R11, R51/53, R22	Range: 30-70%
Fluorinated Coploymer	CAS No: None	Risk Phrs: F, R11	Range: 1-5%
Butane	CAS No: 106-97-8	Risk Phrs: F,R12	Range: 10-30%
Propane	CAS No: 74-98-6	Risk Phrs: F,R12	Range: 10-30%

3. HAZARD IDENTIFICATION / SAFETY PRECAUTIONS

THIS IS AN AEROSOL PRODUCT - USE ONLY IN WELL-VENTILATED AREAS.
The contents are **FLAMMABLE** and maybe **HARMFUL** by deliberate prolonged inhalation or ingestion. Hydrocarbon propellant is an asphyxiant if there is insufficient ventilation. This would constitute abuse of the product.
ALWAYS WASH HANDS AFTER USE. Repeated exposure may cause skin dryness or cracking.
KEEP IN A SAFE PLACE AWAY FROM CHILDREN.
FLAMMABLE - pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 degrees C.
Do not spray onto a naked flame or any incandescent material, hot surface or unprotected electrical equipment.
DO NOT BREATHE SPRAY MIST. Vapours may cause drowsiness and dizziness.
DO NOT SPRAY NEAR EYES. Irritating to eyes.
AVOID RELEASE TO THE ENVIRONMENT - toxic to aquatic organisms.
ALWAYS READ CONTAINER WARNINGS.

4. FIRST AID MEASURES

INHALATION: Asphyxiation by butane will precede any toxicological effects of the active elements. Remove the patient to fresh air and treat symptomatically.

SKIN CONTACT: Wash with soap and water. Mild irritation may occur. Repeated contact may cause skin dryness and cracking.

EYE CONTACT: **NEVER USE AEROSOLS NEAR EYES/MUCOUS MEMBRANES.** Flush with copious quantities of water. Seek medical advice. Product is classified as irritating to eyes.

INGESTION: Unlikely. May cause nausea and discomfort. Carry out a gastric lavage to reduce discomfort.

The contents would tend to be absorbed by the body with no significant effects, particularly in these concentrations. Treat symptomatically. Seek medical advice and show the container.

5. FIRE FIGHTING MEASURES

Pressurised aerosols should not be exposed to temperatures exceeding 50° C. Above this, containers may explode and the resultant flammable mixture will burn to produce CO2.
Use water to cool undamaged stock only. Avoid contamination of the water courses where damaged stock is leaking.
EXTINGUISHING MEDIA: CO2, BCF, dry powder, sand or earth.
For larger fire use foam, water fog or spray, avoiding contamination.
POSITIVE PRESSURE BREATHING APPARATUS SHOULD BE USED.

6. ACCIDENTAL RELEASE MEASURES.

INITIAL SPILLAGE WOULD BE FLAMMABLE. Spillage is unlikely in large quantities with an aerosol product. Keep damaged containers away from sources of ignition and in well ventilated areas.
Environment. In the concentrations within 1-1000 cans the components would not present an environmental hazard as most of the product would quickly evaporate, leaving only the residue. Though component elements may be classified as harmful to aquatic organisms the products would evaporate quickly and be in small quanitites.
Cleaning. In small quantities any liquid should be absorbed into a suitable media, such as sand and disposed of safely.

7. HANDLING AND STORAGE.

Handling. Handle carefully. In general handling aerosols should not be considered as hazardous.
Storage. Always store aerosols away from sources of heat, including direct sunlight and in dry conditions. Avoid extremes of temperature and moisture. A stable, cool, dry ambient environment is most suitable. Avoid contamination with other products.
The containers will not last indefinitely even when stored in a cool dry area, they should be inspected periodically during long-term storage. Note container warnings.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Supplier recommends 400ppm total hydrocarbon based on composition. As with all aerosols, the products should only be used in well-ventilated areas, but responsible use is not potentially harmful.
Respiratory protection. If ventilation is not possible, then suitable respiratory protection is essential if there is a risk of solvent vapour concentrations. Use organic/inorganic vapour filters. Vapours may cause drowsiness or dizziness.
Hand Protection. Repeated exposure may cause skin cracking or dryness, gloves may be required.
Eye Protection. AVOID SPRAYING NEAR EYES. Irritating to eyes. If there is a risk of eye contact wear glasses, goggles or face-shield.
Skin Protection. Repeated exposure may cause skin cracking or dryness, covering of exposed skin may be required.

In general the aerosol product is a convenient and safe method of supply. Only in continuous or repeated usage conditions should personal protective measures be required or exposure controls considered.

9. PHYSICAL AND CHEMICAL PROPERTIES

As the product is an aerosol, it is an aerosol container with no potential properties, provided the container warnings are observed. Details apply to the liquid phase of the product only (propellant gas will evaporate immediately):

Appearance:	Aerosol emitting colourless liquid.
Odour:	Sweet non-specific.
pH:	Not applicable.
Boiling Point:	N/a °C
Melting Point:	N/a °C
Flash Point:	N/a °C
Flammability:	Highly flammable liquid.
Autoflammability:	N/a °C
Explosive properties:	N/a
Oxidising Properties:	N/a
Vapour Pressure:	N/a @20°C.
Relative density:	0.65 kg/m3. Total product.
Solubility:	No elements are soluble in water.
Partition Coefficient:	N/a

10. STABILITY AND REACTIVITY

The container is inherently stable under instructed conditions for a reasonable period of time (at least 24-36 months).
AVOID extremes of temperature, including direct sunlight and extreme freezing. Avoid exposure to moisture, which may cause container deterioration and pH, where acidity may damage container integrity.
Avoid sudden impacts, which may damage container integrity.
Avoid contact with water, acids, high temperatures.
Container corrosion may occur with time and damaged containers should be disposed of before any danger is evident.
Flammable, liquid contents should be considered generally not reactive.

11. TOXICOLOGICAL INFORMATION

THIS IS DESIGNED FOR EXTERNAL USE ONLY.
Essentially, when used in this aerosol form, there are no potential toxic effects. The data is as follows:

Aliphatic Hydrocarbon	LC50 - Low. 1 - High 10 MG/L
Butane/ propane	The Occupational Exposure Standard is 600ppm (1430 mgm)

Used correctly in aerosol form, all components can be considered to have a low order of toxicity (LD50 oral rat 500mg/kg, skin 3000mg/kg), though some elements may be classified as toxic. Deliberate inhalation may cause severe pulmonary and breathing difficulty, dizziness, drowsiness (narcosis) and headaches (but this is unlikely in normal usage), and would constitute abuse.
Skin and eye irritation may result from continued exposure to vapours when used in areas of poor ventilation, or when working in close proximity to the spray for prolonged periods, and suitable steps should be taken to avoid such conditions

12. ECOLOGICAL INFORMATION

This relates to the contents only, see Disposal.

The product will evaporate quickly to the air. A colourless liquid , easily absorbed, will evaporate and leave a film. The film will present no other significant hazards, with no dangerous products arising from degradation.
Mobility will be slow.
Degradation will be relatively slow though ultimately almost complete.
Accumulation is unlikely once physical breakdown commences.
Short and long term effects should not be considered significant. Very short term damage to aquatic and soil organisms may occur in large spillage (1000+ containers) though this should disperse quickly (especially if absorbent material is used). No effects on plants or animals are indicated. There is no ozone depletion, ozone creation or global warming potential. Water treatment plants would not be affected by small to medium volumes of this material.

13. DISPOSAL CONSIDERATIONS

The container should be totally discharged and disposed of as hazardous waste. This waste must be disposed of to an authorised disposal organisation, in accordance with regulations. **SEE CONTAINER WARNINGS.** Do not puncture or incinerate/burn, even after use. Dried material is non-hazardous.

14. TRANSPORT INFORMATION

UN NUMBER: UN 1950 IMDG.

HAZARD CLASS: 2.1 For Sea Transport.

UK TRANSPORT DESCRIPTION: FLAMMABLE AEROSOLS (capacity less than 1 litre).

UK TRANSPORT CLASSIFICATION: MISCELLANEOUS GOODS

15. REGULATORY INFORMATION

The COSHH Regulations apply in the UK.

The CHIP Regulations apply in the UK.

The Environmental Protection Act Regulations apply in the UK.

SYMBOLS: F+, Xi, N

RISK/SAFETY PHRASES:
F+ Flammable. Keep out of reach of children. Protect from sunlight and do not expose to temperatures exceeding 50 degrees C. Do not pierce or burn, even after use. Do not spray onto a naked flame or any incandescent material. (Aerosol safety phrases).
Xn Harmful.

R11 Highly Flammable (see CHIP schedule 1 PART 2).
R12 Extremely Flammable.
R51/53 Toxic to aquatic orgainsms. May cause long-term adverse effects in the aquatic environment.
R22 Harmful if swallowed

S2 Keep out of reach of children.
S9 Keep container in a well ventilated place.

S16 Keep away from sources of ignition - No smoking.
S37/39 Wear suitable gloves and face/ eye protection.
S51 Use only in well ventilated areas.
S61 Avoid release to the environment - Refer to special instructions / data sheet.
S62 If swallowed do not induce vomiting : seek medical advice immediately and show the container.

16. OTHER INFORMATION

This is an aerosol product and should be used carefully.
It represents no greater dangers than any other aerosol product and all regulations applicable are general industry guidelines.
The information included is all that available for the component products at this time.

The information contained herein is based upon the current state of our knowledge.

SINCE THE STORAGE, APPLICATION AND DISPOSAL OF THESE PRODUCTS IS NOT WITHIN THE CONTROL OF L.M.A., IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFETY IN TERMS OF ALL ASPECTS RELATING TO THEIR PRODUCTS. L.M.A. ACCEPTS NO LIABILITY FOR AND MAKES NO CLAIMS REGARDING THE USES, QUALITIES OR COMPONENTS OF THIS PRODUCT WHICH MAY VARY FROM COUNTRY TO COUNTRY.