

SAFETY DATA SHEET

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

Product name: **FLAMENCO JETSHIELD**
 Supplier: MMP-International, Division
 of ITW Ltd.
 Brunel Close, Park Farm
 Ind Est,
 Wellingborough, Northants,
 NN8 6QX

Emergency telephone number: +44 (0) 1933 670870
 Fax No: +44 (0) 1933 670800

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name	CAS-No	EEC-No	Class	Weight %
BITUMEN	64742-93-4			30-60
XYLENE, MIXTURE OF ISOMERS	95-47-6	601-022-00-9	R10 Xn; R20/21 Xi; R38	10-30
BUTANE	106-97-8	601-004-00-0	F+; R12	5-10
PROPANE	74-98-6	601-003-00-5	F+; R12	10-30
WHITE SPIRIT	64742-88-7			10-30

3. HAZARDS IDENTIFICATION

Most important hazards: Extremely flammable.
 Specific hazards Harmful by inhalation and in contact with skin.

4. FIRST AID MEASURES

Inhalation: Move to fresh air, Consult a physician after significant exposure.
 Skin contact: Remove immediately adhering matter. Wash off immediately with soap and plenty of water, If skin irritation persists, call a physician.
 Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 Ingestion: Call a physician immediately, Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: alcohol-resistant foam, Carbon Dioxide (CO₂), dry powder, Water spray.

Extinguishing media which must not be used for safety reasons:

Do not use water jet.

Specific hazards: In case of fire and/or explosion do not breathe fumes.

Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus, protective suit.

Specific methods: Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not breath vapours or spray mist.
 Environmental precautions: Do not let product enter drains.
 Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Transfer to covered steel drums.

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REF: F8

7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Keep away from heat and sources of ignition.
 Storage: Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: National occupational exposure limits (Ref: British COSHH - EH40):

BITUMEN	no data available
XYLENE, MIXTURE OF ISOMERS	220mg/m ³
BUTANE	1450mg/m ³
PROPANE	Asphyxiant
WHITE SPIRIT	no data available

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas..

- Respiratory protection: Breathing apparatus with filter.
- Hand protection: gloves 9 (Advice should be sought on the type of gloves) .
- Eye protection: safety glasses.
- Skin and body protection: protective suit.

Hygiene measures:

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid	Colour:	black	Odour:	hydrocarbon-like
	g/l H ₂ O)				
Boiling point/range:	137	°C			
Flash point:	-40	°C			
Melting point/range:	<0	°C			
Autoignition temperature:	>250	°C			
Explosion limits:	- lower	0.6	vol. %	- upper	9.0 vol. %
Oxidizing properties:	None				
Vapour pressure:	2.41 Bar				
Relative density:	- lower	Not applicable.			
Water solubility	insoluble				

10. STABILITY AND REACTIVITY

Stability: Stable
 Materials to avoid: oxidizing agents, strong acids and strong bases.
 Hazardous decomposition products: carbon oxides and nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Components of the product may be absorbed into the body by inhalation, ingestion and through the skin.

Acetone: LD₅₀/oral/rat = 9.75g/kg

Local effects: May be harmful by inhalation, ingestion, skin adsorption. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Sensitization: May cause skin irritation and/or dermatitis.

Long term toxicity: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Repeated or prolonged exposure: Danger of serious damage to health by prolonged exposure, to the renal / Central nervous system.

12. ECOLOGICAL INFORMATION

Mobility: Do not allow material to contaminate ground water system.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Contaminated packaging: Empty containers can be landfilled after cleaning, when in compliance with local regulations.

European waste Catalogue No: **09/04/2000**

14. TRANSPORT INFORMATION

Proper shipping name: Aerosol

UN-No: 1950

ADR/RID Class: 2

HI/UN No: 1950

IMO Class: 2

EmS: 2-13

Proper shipping name: Aerosol

ICAO Class: 2

UN/ID No: 1950

Proper shipping name: Aerosol

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 93/21/EEC

- Contains: BITUMEN, XYLENE, MIXTURE OF ISOMERS, BUTANE, PROPANE, WHITE SPIRIT.

- Symbol(s):



F+ -
Extremely
flammable



Xn -
Harmful.

R -phrase(s): R12 - Extremely flammable. R20/21 - Also harmful by inhalation and in contact with skin. R40 - Possible risks of irreversible effects.

S -phrase(s): S2 - Keep out of reach of children. S16 - Keep away from sources of ignition - No smoking. S23 - Do not breathe vapour. S25 - Avoid contact with eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37 - Wear suitable protective clothing and gloves. S51 - Use only in well ventilated areas.

16. OTHER INFORMATION

Recommended use: When used in a mixture, read the labels and safety data sheets of all components. All metal parts of the mixing and processing equipment must be earthed.

Recommended restrictions:

Revision date: 15/07/2002
