

SAFETY DATA SHEET

ALFAS BOND FR

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

PRODUCT NAME ALFAS BOND FR
 PRODUCT NO. 20061
 APPLICATION Curing, aerosol dispensed foam for use as a fire seal.
 SUPPLIER Tremco illbruck Production Ltd
 Coupland Rd
 Hindley Green
 Wigan
 WN2 4HT
 England
 Phone: +44 (0) 1942 251400
 Fax: +44 (0) 1942 521923
 msds@tremco-illbruck.com
 EMERGENCY TELEPHONE (+44) 1942 258011

2 HAZARDS IDENTIFICATION

Extremely flammable.

Harmful by inhalation.

Irritating to eyes, respiratory system and skin.

May cause sensitisation by inhalation and skin contact.

CLASSIFICATION Xn;R20. R42/43. Xi;R36/37/38. F+;R12.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
DIMETHYL ETHER	204-065-8	115-10-6	2.5 - 10%	F+;R12
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues		9016-87-9	25 - 50%	Xn;R20. Xi;R36/37/38. R42.
ISOBUTANE	200-857-2	75-28-5	< 5%	F+;R12
PROPANE	200-827-9	74-98-6	< 5%	F+;R12
PROPYLENE CARBONATE	203-572-1	108-32-7	2.5 - 10%	Xi;R36

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

NOTE! Effects may be delayed. Keep affected person under observation.

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Get medical attention.

SKIN CONTACT

Wash skin thoroughly with soap and water. Contact physician if irritation continues or sores develop.

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EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

DO NOT USE: Water jet.

UNUSUAL FIRE & EXPLOSION HAZARDS

May explode in a fire. Vapours are heavier than air and may spread near ground to sources of ignition.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains. Avoid release to the environment.

SPILL CLEAN UP METHODS

For waste disposal, see section 13.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid inhalation of vapours. Keep away from heat, sparks and open flame. Provide good ventilation. Static electricity and formation of sparks must be prevented.

STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Store in a cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
DIMETHYL ETHER	WEL	400 ppm	766 mg/m3	500 ppm	958 mg/m3	
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues	WEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)	

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

Use protective gloves made of: Nitrile. Rubber (natural, latex).

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

ALFAS BOND FR

APPEARANCE Aerosol
 COLOUR Light (or pale) Grey
 ODOUR Characteristic
 SOLUBILITY Immiscible with water

RELATIVE DENSITY 1.06 @ 20°C FLASH POINT (°C) - 97°C

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

11 TOXICOLOGICAL INFORMATION

INHALATION

May cause sensitisation by inhalation. Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

SKIN CONTACT

Liquid may irritate skin. May cause sensitisation by skin contact.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

DEGRADABILITY

The product is not readily biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Empty containers containing residual product are classified as hazardous waste.

Cured foam is not hazardous waste

DISPOSAL METHODS

In the UK refer to the Hazardous Waste Regulations (2005)

Contact specialist disposal companies.

WASTE CLASS

EWC Code : 14 06 03 Hazard Classification H3A, H4, H5

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME AEROSOLS, flammable

UN NO. ROAD	1950	ADR CLASS NO.	2 5F
TUNNEL RESTRICTION CODE	(D)	ADR LABEL NO.	2.1
UN NO. SEA	1950	IMDG CLASS	2.1
MARINE POLLUTANT	No.	UN NO. AIR	1950
AIR CLASS	2.1		

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15 REGULATORY INFORMATION

LABELLING



Harmful



Extremely Flammable

CONTAINS

DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues

RISK PHRASES

R12	Extremely flammable.
R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.

SAFETY PHRASES

S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S38	In case of insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
P4	Contains isocyanates. See information supplied by the manufacturer.

UK REGULATORY REFERENCES

Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regulations 2008 ("CHIP 3.2")

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION COMMENTS

Changes from the previous edition of this sheet are marked by a line in the margin.

REVISION DATE	19/03/2009
REV. NO./REPL. SDS GENERATED	20/09/2007
SDS NO.	10793

RISK PHRASES IN FULL

R12	Extremely flammable.
R20	Harmful by inhalation.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42	May cause sensitisation by inhalation.