

Safety Data Sheet

according to EEC Regulation 91/155/EEC

01 Identification of the substance / preparation and the company / undertaking

1.1 Product Name

Gun Foam - Assembly foam AT3-B2

1.2 Supplier

ITW Construction Products
Fleming Way
Crawley
West Sussex RH10 9DP
England

1.3 Emergency Telephone Number 44 (0) 1293 523372

Technical Number 0800 2980213

02 Composition / information on ingredients

2.1 Dangerous substance/EINECS/CAS/Range (%) / Symbol/R-phrased

2.2 Chemical name / content % / MAK-value / BAT-value

Diphenylmethane-4,4'-di-isocyanate/202-966-0/101-68-8/5-<25%/Xn
R20-30/37/38-42
Polyether polyol halogenated/86675-46-9/1-<10%/Xn R22
Propane/butane-/74-98-6/106-97-8/5-10%/F+ R12

03 Hazards identification

3.1 To people

R12:Highly flammable
R36/37/38:Irritating to eyes, respiratory system and skin
R42:May cause sensitisation by skin contact

3.2 To the environment

04 First aid measures

4.1 General advice

Remove affected person from danger area, lay down

4.2 Inhalation

Remove the casualty into fresh air and keep him calm.
In the event of symptoms refer for medical treatment

4.3 Skin contact

Wash off immediately with soap and plenty water
Consult a doctor if skin irritation persists

4.4 Eye contact

Rinse immediately with plenty water and seek medical advice

4.5 Ingestion

Not applicable

4.6 Advice to doctor/treatment

Treat symptomatically

05 Fire-fighting measures

5.1 Suitable extinguishing media

Water spray jet, foam, dry powder, sand

5.2 Extinguishing media that must not be used for safety reasons

Full water jet

5.3 Special exposure hazards arising from the substance or preparation itself or combustion product

Risk of formation of toxic pyrolysis products In the event of fire the following can be released: Hydrogen cyanide (HCN) Nitrogen oxides (NOx)

5.4 Special protective equipment for firefighters

Do not inhale explosion and/or combustion gasses. Wear protective suit

06 Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations

Accidental release measures

6.1 Personal precautions

Use breathing apparatus if exposed to vapours/dust/aerosol
Ensure adequate ventilation Keep away from sources of ignition

6.2 Environmental precautions

Not applicable

6.3 Methods for cleaning/taking up

Take up mechanically Dispose of absorbed material in accordance with regulations

07 Handling and storage

7.1 Advice on safe handling

Provide good room ventilation even at ground level (vapours are heavier than air) Handle with care – avoid shock, friction and impact

7.2 Advice on protection against Fire and explosion

Emergency cooling must be provided for the eventuality of a fire in the vicinity Keep away from sources of ignition – refrain from smoking

7.3 Requirements for storage rooms and vessels

Additional information (See Paragraph 15)

7.4 Advice on storage compatibility

Do not store together with oxidising agents. Do not store with combustible materials

7.5 Further information on storage Conditions

Protect from heat/overheating Keep in a cool place, heat causes increase in pressure and risk of bursting

08 Exposure controls / personal protection

Chemical name / content % / MAK-value / BAT-value

Diphenylmethane-4,4'-di-isocyanate, 202-966-0, 101-68-8, MAK: 0.995ppm

Propane/butane 74, 98-6/106, MAK: 1000ppm 1997

Personal protective equipment

Respiratory protection

Breathing apparatus in the event of high concentrations

Short term

filter apparatus, combination filter A-P2

Hand protection

Protective gloves

Eye protection

Protective goggles

Skin protection

Not applicable

	<p>Hygiene measures</p> <p>At work do not eat, smoke or take drugs Wash hands before breaks and after work Use barrier skin cream</p>																																		
09	<p>Physical and chemical properties</p> <table> <tr><td>Form</td><td>Aerosol</td></tr> <tr><td>Colour</td><td>-</td></tr> <tr><td>Odour</td><td>Characteristic</td></tr> <tr><td>PH value</td><td>Not applicable</td></tr> <tr><td>Melting point</td><td>-</td></tr> <tr><td>Boiling point</td><td>-</td></tr> <tr><td>Flash point</td><td>Not applicable</td></tr> <tr><td>Lower explosion limit</td><td>-</td></tr> <tr><td>Upper explosion limit</td><td>-</td></tr> <tr><td>Combustible properties</td><td>Not applicable</td></tr> <tr><td>Vapour pressure</td><td>20°C</td></tr> <tr><td>Density</td><td>-</td></tr> <tr><td>Solubility in water</td><td>Insoluble</td></tr> <tr><td>Partition coefficient</td><td>n-octanol/water</td></tr> <tr><td>Flammability</td><td>-</td></tr> <tr><td>Autoignition</td><td>-</td></tr> <tr><td>Viscosity</td><td>Not applicable</td></tr> </table>	Form	Aerosol	Colour	-	Odour	Characteristic	PH value	Not applicable	Melting point	-	Boiling point	-	Flash point	Not applicable	Lower explosion limit	-	Upper explosion limit	-	Combustible properties	Not applicable	Vapour pressure	20°C	Density	-	Solubility in water	Insoluble	Partition coefficient	n-octanol/water	Flammability	-	Autoignition	-	Viscosity	Not applicable
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10	<p>Stability and reactivity</p> <p>Hazardous reactions</p> <p>Risk of bursting</p> <p>Hazardous decomposition products</p> <p>No hazardous decomposition products known</p>																																		
11	<p>Toxicological information</p> <table> <tr><td>Acute oral toxicity</td><td>LD50 rat</td></tr> <tr><td>Acute inhalation toxicity</td><td>LC50 rat</td></tr> <tr><td>Acute dermal toxicity</td><td>LD50 rabbit</td></tr> <tr><td>Subacute toxicity</td><td></td></tr> <tr><td>Subchronic toxicity</td><td></td></tr> <tr><td>Reproduction toxicity</td><td></td></tr> <tr><td>Irritant effect on skin</td><td></td></tr> <tr><td>Irritant effect on eye</td><td></td></tr> <tr><td>Sensitisation</td><td></td></tr> <tr><td>Chronic toxicity</td><td></td></tr> <tr><td>Mutagenicity</td><td></td></tr> <tr><td>Carcinogenicity</td><td></td></tr> <tr><td>Experiences made in practice</td><td>None</td></tr> </table> <p>General remarks</p> <p>The product was classified on the basis of the calculation procedure of the preparation directive (88/379/EEC)</p>	Acute oral toxicity	LD50 rat	Acute inhalation toxicity	LC50 rat	Acute dermal toxicity	LD50 rabbit	Subacute toxicity		Subchronic toxicity		Reproduction toxicity		Irritant effect on skin		Irritant effect on eye		Sensitisation		Chronic toxicity		Mutagenicity		Carcinogenicity		Experiences made in practice	None								
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12	<p>Ecological information</p> <p>12.1 Physico chemical eliminability</p> <p>Biological degradability, Biological eliminability</p> <p>12.2 Degradability according to law of wash and cleansing agent (WRMG)</p> <p>Not applicable</p> <p>12.3 Behaviour in environment compartments</p> <p>Fish toxicity</p> <p>Algae toxicity</p> <p>12.4 Behaviour in sewage plant</p> <p>Not applicable</p> <p>Chemical oxygen demand (COD)</p> <p>Biochemical oxygen demand (BOD5)</p> <p>12.5 ADX-advice</p> <p>Product contains chlorine in the organic polymer, can adversely affect</p>																																		

determination of the AOX-value

12.6

Contains following heavy metals and compounds of 76/464/EWG

No dangerous components

12.7

General information

Ecological data are not available

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Disposal considerations

13.1

Disposal/product

Dispose of as hazardous waste

13.2

Disposal/contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product

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Transport information

ADR/RID

UN1950

Class 2

5

A

By road

Proper shipping name

Aerosol

ADR-exceptions

Rn 2201a

IMDG

UN1950

Class 2.2

By sea

EmS: 2-13

MFAG: 4.2

Marine

Proper shipping name

Aerosol

CAO/IATA-DGR

By air

UN1950

Class 2.2

Proper shipping name

Aerosol, 20

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Regulatory information

15.1

Labelling

The product is classified and labelled in accordance with EC directives / German regulations on dangerous substances.

15.2

Name of Product

Gun Foam (Assembly AT3-B2)

15.3

Contains

Diphenylmethane-4.4'-di-isocyanate

15.4

Symbol(s)

R - phrase(s)

R12

Extremely flammable

R36/37/38

Irritating to eyes, respiratory system and skin

R42

May cause sensitisation by inhalation

S - phrase(s)

S2

Keep out of reach of children

S23.4

Do not breath spray

S28.2

After contact with skin, wash immediately with water and soap

S51

Use only in well-ventilated areas

15.5

Special labelling for certain preparations

Container is under pressure. Protect from sun and temperatures above 50°C Do not open with force or incinerate even after use Do not spray against an open flame or glowing hot objects Keep away from sources of ignition- No smoking Observe manufacturer's instruction

National regulations (German only)

Restriction of occupation

Decree for case of inference, observe limits

Classification according to VbF

Classification according to TA-Luft

Water hazard class

Water hazard class/source

Waste number

Other regulations, restrictions and prohibition regulations

Yes

Yes

Not applicable

3.17

WGK 2

351 06

TRG300 (Aerosol)

Data Safety

Gun Foam Assembly Foam AT3-B2