



Anglo Adhesives & Services Ltd.

INDUSTRIAL ADHESIVE MANUFACTURERS - CONTRACT FILLING AND PACKAGING

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SAFETY DATA SHEET

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Anglo Adhesives & Services Limited - Fixative Spray Aerosols

Product number 985, 1844

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Lacquer

1.3. Details of the supplier of the safety data sheet

Supplier Anglo Adhesives & Services Ltd
Anglo House, The airfield Dalby
Road, Melton Mowbray,
Leicestershire LE13 0BL
Tel: +44 (0) 1664 480866
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Emergency telephone number

Emergency telephone +44 (0) 1664 480866 (MON TO FRI 08:30 - 17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Aerosol 1 - H222, H229

Health hazards

Eye Irrit. 2 - H319 STOT SE 3 - H336

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

F+; R12. Xi; R36. R66, R67

Human health

Vapours and spray/mists in high concentrations are narcotic.

Environmental

The product is not expected to be hazardous to the environment.

Physicochemical

Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is extremely flammable. Vapours may form explosive mixtures with air.

2.2. Label elements

Pictogram

Anglo Adhesives & Services Limited - Fixative Spray Aerosols



Signal word



Danger

Hazard statements

H222 Extremely flammable aerosol.
 H229 Pressurised container: may burst if heated
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Precautionary statements

P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P261 Avoid breathing vapour/spray.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

ACETONE, PROPAN-2-OL

Supplementary precautionary statements

P264 Wash contaminated skin thoroughly after handling.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

 SECTION 3: Composition/information on ingredients
3.2. Mixtures

ACETONE		30-60%
CAS number: 67-64-1 EC number: 200-662-2		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
STOT SE 3 - H336		

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

PETROLEUM GASES, LIQUEFIED	30-60%
CAS number: 68476-85-7 EC number: 270-704-2	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Gas 1 - H220	
Press. Gas Compressed - H280	
PROPAN-2-OL	10-30%
CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-2119457558-25-XXXX	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
STOT SE 3 - H336	
2-METHOXY-1-METHYLETHYL ACETATE	5-10%
CAS number: 108-65-6 EC number: 203-603-9 REACH registration number: 01-2119475791-29-XXXX	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	
methyl methacrylate	<1%
CAS number: 80-62-6 EC number: 201-297-1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	
STOT SE 3 - H335	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	
n-butyl methacrylate	<1%
CAS number: 97-88-1 EC number: 202-615-1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	
Eye Irrit. 2 - H319	
STOT SE 3 - H335	
Skin Irrit. 2 - H315	
Skin Sens. 1 - H317	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.

Ingestion

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Get medical attention.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed

General information

See Section 11 for additional information on health hazards.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.

6.2. Environmental precautions

Environmental precautions

Avoid discharge into drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate

ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep away from heat, sparks and open flame. Read and follow manufacturer's recommendations. When sprayed on a naked

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

flame or any incandescent material the aerosol vapours can be ignited. Use suitable respiratory protection if ventilation is inadequate.

Advice on general occupational hygiene

Wash promptly with soap and water if skin becomes contaminated.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

PETROLEUM GASES, LIQUEFIED

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m³

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m³

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

2-METHOXY-1-METHYLETHYL ACETATE

Short-term exposure limit (15-minute): WEL 548 mg/m³ 100 ppm

Long-term exposure limit (8-hour TWA): WEL 274 mg/m³ 50 ppm

WEL = Workplace Exposure Limit

ACETONE (CAS: 67-64-1)

DNEL

Workers - Dermal; Long term systemic effects: 186 mg/kg/day

Workers - Inhalation; Short term local effects: 2420 mg/m³

Workers - Inhalation; Long term systemic effects: 1210 mg/m³

PNEC

- Sediment (Freshwater); 30.4 mg/kg

- Sediment (Marinewater); 3.04 mg/kg

- Marine water; 1.06 mg/l

- Soil; 29.5 mg/kg

2-METHOXY-1-METHYLETHYL ACETATE (CAS: 108-65-6)

DNEL

Consumer - Oral; Long term systemic effects: 1.67 mg/kg/day

Consumer - Dermal; Long term systemic effects: 54.8 mg/kg/day

Workers - Dermal; Long term systemic effects: 153.5 mg/kg/day

Consumer - Inhalation; Long term systemic effects: 33 mg/m³

Workers - Inhalation; Long term systemic effects: 275 mg/m³

PNEC

- Fresh water; 0.635 mg/l

- Sediment (Freshwater); 3.29 mg/kg

- Sediment (Marinewater); 0.329 mg/kg

- Soil; 0.29 mg/kg

8.2. Exposure controls

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

Hand protection

No specific hand protection recommended.

Other skin and body protection

Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

Respiratory protection

No specific recommendations. If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

Colour

Clear.

Odour

Solvent.

Odour threshold

No information available.

pH

No information available.

Melting point

No information available.

Initial boiling point and range

-41 (-41 TO 143)°C @

Flash point

-4°C CC (Closed cup).

Evaporation rate

No information available.

Evaporation factor

No information available.

Flammability (solid, gas)

No information available.

Upper/lower flammability or explosive limits

Lower flammable/explosive limit: 1.5 % Upper flammable/explosive limit: 13.0 %

Vapour pressure

No information available.

Vapour density

No information available.

Relative density

0.7

Solubility(ies)

Insoluble in water.

Partition coefficient

No information available.

Auto-ignition temperature

333°C

Decomposition Temperature

No information available.

Viscosity

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

No information
available.

Oxidising properties

No information
available.

9.2. Other information

Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability

The product may not be stable under some conditions of storage or use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid

None known.

10.6. Hazardous decomposition products

None at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation

May cause drowsiness or dizziness. Vapours in high concentrations are narcotic. Vapours may cause headache, fatigue, dizziness and nausea.

Skin contact

Skin irritation should not occur when used as recommended.

Eye contact

Causes serious eye irritation.

Acute and chronic health hazards

No known chronic or acute health risks.

Route of entry

Inhalation Skin and/or eye contact

Toxicological information on ingredients.

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

ACETONEAcute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,800.0

Species

Rat

ATE oral (mg/kg)

5,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

7800.0

Species

Rabbit

ATE dermal (mg/kg)

7800.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 vapours mg/l)

21.0

Species

Rat

ATE inhalation (vapours mg/l)

21.0

12800.0

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,045.0

Species

Rat

ATE oral (mg/kg)

5,045.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

12800.0

Species

Rabbit

ATE dermal (mg/kg)

Acute toxicity - inhalation

PROPAN-2-OL

Acute toxicity inhalation (LC50 vapours mg/l)

30.0

Species

Rat

ATE inhalation (vapours mg/l)

30.0

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

2-METHOXY-1-METHYLETHYL ACETATEAcute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

5,001.0

Species

Rat

ATE oral (mg/kg)

5,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

5001.0

Species

Rabbit

ATE dermal (mg/kg)

5001.0

SECTION 12: Ecological Information

12.1. ToxicityEcological information on ingredients.ACETONE

Acute toxicity - fish

EC₅₀, 96 hours: 8300 mg/l, *Lepomis macrochirus* (Bluegill)

Acute toxicity - aquatic invertebrates

EC₅₀, : 8800 mg/l, *Daphnia magna*PROPAN-2-OL

Acute toxicity - fish

LC₅₀, 96 hours: 9640 mg/l, *Pimephales promelas* (Fat-head Minnow)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 13299 mg/l, *Daphnia magna*

Acute toxicity - aquatic plants

EC₅₀, 72 hours: >1 mg/l, *Desmodesmus subspicatus*2-METHOXY-1-METHYLETHYL ACETATE

Acute toxicity - fish

LOEC, : >100 mg/l, Fish

Acute toxicity - aquatic plants

LOEC, : >100 mg/l, Algae

Acute toxicity - microorganisms

LOEC, : >100 mg/l, Activated sludge

12.2. Persistence and degradability

Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

No data available

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

Dispose of waste product or used containers in accordance with local regulations

Disposal methods

Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not pierce or burn, even after use.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

Transport labels



14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

EmS F-D, S-U
ADR transport category 2
Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 28/11/2014
Revision 1
SDS number 5139

Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H229 Pressurised container: may burst if heated
H280 Contains gas under pressure; may explode if heated.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

Anglo Adhesives & Services Limited - Fixative Spray Aerosols

EmS

F-D, S-U

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