



SAFETY DATA SHEET

Fixative Spray Aerosol

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name Fixative Spray Aerosol – YPO code: 741809
CAS No. Not applicable.
EC No. Not applicable.
REACH Registration No. Not known.

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

Identified Use(s) Industrial use only. Adhesive Applications.
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification Anglo Adhesives & Services Ltd.
Address of Manufacturer Anglo House, The Airfield
Dalby Road,
Melton Mowbray
Leicestershire
Postal code LE13 0BL
Telephone: +44 (0) 1664 480866
Fax +44 (0) 1664 480963
E-mail sales@angloadhesives.co.uk
Office hours

Supplier

Company Identification Not known.
Address of Supplier Not known.
Postal code Not known.
Telephone: Not known.
Fax Not known.
E-mail Not known.
Office hours

1.4 Emergency telephone number

Emergency Phone No. +44 (0) 1664 480866
Contact Office Hours

National response centre

Address NHS Direct
Emergency Phone No. +44 (0)113 825 0000 or (UK) 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Aerosol, Category 1 : Extremely flammable aerosol.
Eye Irrit. 2 : Causes serious eye irritation.
Flam. Liq. 2 : Highly flammable liquid and vapour.
STOT SE 3 : May cause drowsiness or dizziness.

2.2 Label elements



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According to Regulation (EC) No. 1272/2008 (CLP)

Product Name
Hazard Pictogram(s)

Fixative Spray Aerosol



GHS02

GHS07

Signal Word(s)
Hazard Statement(s)

Danger

H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
EUH208: Contains: (methyl methacrylate methyl 2-methylprop-2-enoate methyl 2-methylpropenoate, n-butyl methacrylate) May produce an allergic reaction.
EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

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: Pressurised container - Do not pierce or burn, even after use.
P261: Avoid breathing dust/fume/gas/mist/vapours/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.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)



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acetone propan-2-one propanone	67-64-1	200-662-2	30-60	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	GHS02 GHS07
Petroleum gases, liquefied Petroleum gas [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately -40 °C to 80 °C (-40 °F to 176 °F).]	68476-85-7	270-704-2	30-60	Flam. Gas 1 H220 Press. Gas H280 Muta. 1B H340 Carc. 1B H350	GHS02 GHS04 GHS08
propan-2-ol isopropyl alcohol isopropanol	67-63-0	200-661-7	10-30	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	GHS02 GHS07
2-methoxy-1-methylethyl acetate	108-65-6	203-603-9	5-10	Flam. Liq. 3 H226	GHS02
n-butyl methacrylate	97-88-1	202-615-1	<1	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 STOT SE 3 H335	GHS02 GHS07
methyl methacrylate methyl 2-methylprop-2-enoate methyl 2-methylpropenoate	80-62-6	201-297-1	<1	Flam. Liq. 2 H225 Skin Irrit. 2 H315 Skin Sens. 1 H317 STOT SE 3 H335	GHS02 GHS07

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- Inhalation Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- Skin Contact Take off immediately all contaminated clothing. Rinse skin with water.
- Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

May cause irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

- Suitable Extinguishing media Use to extinguish.
- Unsuitable extinguishing media None.



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5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. May decompose in a fire, giving off toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Stop leak if safe to do so. Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Do not spray on an open flame or other ignition source. Pressurised container - Do not pierce or burn, even after use. Wash hands and exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool. Protect from sunlight. Keep container tightly closed. Store locked up.

Storage temperature

Do not expose to temperatures exceeding 50°C/ 122°F.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

Industrial use only. Adhesive Applications.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Acetone	67-64-1	500	1210	1500	3620	
Acetone	67-64-1	500	1210	0	0	IOELV
Liquefied petroleum gas	68476-85-7	1000	1750	1250	2180	(f)
Propan-2-ol	67-63-0	400	999	500	1250	
1-Methoxypropyl acetate	108-65-6	50	274	100	548	Sk
2-Methoxy-1-methylethylacetate	108-65-6	50	275	100	550	IOELV, Skin
Methyl methacrylate	80-62-6	50	208	100	416	
Methyl methacrylate	80-62-6	50	0	100	0	IOELV

Region	Source
EU	EU Occupational Exposure Limits
United Kingdom	UK Workplace Exposure Limits EH40/2005 (Third edition, published 2018)

Remark	Notes
IOELV	Indicative Occupational Exposure Limit Values.
(f)	Carc (only applies if LPG contains more than 0.1% of buta-1,3-diene)
Sk	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemictoxicity.
Skin	The possibility of significant uptake through the skin.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection Normally no personal respiratory protection is necessary.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Aerosol
 Colour Clear to straw-coloured liquid with perceptible odour.



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Odour	Solvent odour.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	-41°C (-41°C to 143°C).
Flash Point	-40°C.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	0.7
Solubility(ies)	Solubility (Water) : Insoluble. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	333°C.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Avoid friction, sparks, or other means of ignition. Keep away from heat and direct sunlight.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects



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Acute toxicity - Ingestion	Low acute toxicity
Acute toxicity - Skin Contact	Low acute toxicity
Acute toxicity - Inhalation	Low acute toxicity
Skin corrosion/irritation	Non-irritant
Serious eye damage/irritation	Self classification: Causes serious eye irritation.
Skin sensitization data	Not classified
Respiratory sensitization data	Not classified
Germ cell mutagenicity	There is no evidence of mutagenic potential.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	Not classified
Lactation	Not classified
STOT - single exposure	Self classification: May cause drowsiness or dizziness.
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and Degradation

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods



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Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 1950

14.2 UN proper shipping name

UN proper shipping name AEROSOLS

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class	2
ADR Classification Code	5F
Special Provisions	190 327 344 625
Limited Quantities	1 L
Excepted Quantities	E0
Emergency Action Code	
Mixed Packing Instructions for Packages	P207 LP200
Special Packing Provisions for Packages	PP87 RR6 L2
Mixed Packing Instructions for Packages	MP9
Packing Instructions for Portable Tanks	
Special Provisions for Portable Tanks	
Tank Code for Tanks	
Special Provisions for Tanks	
Vehicle for Tank Carriage	
ADR Transport Category	2
Tunnel Restriction Code	D
Special Provisions for Carriage- Packages	V14
Special Provisions for Carriage- Bulk	
Special Provisions for Carriage- Loading, Unloading and Handling	CV9 CV12
Special Provisions for Carriage- Operation	S2



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ADR HIN

IMDG

IMDG Class 2
Special Provisions 190 327 344 625
Limited Quantities 1 L
Excepted Quantities E0
Mixed Packing Instructions for Packages P207 LP200
Special Packing Provisions for Packages PP87 RR6 L2
Packing Instructions for Portable Tanks
Special Provisions for Portable Tanks
IMDG EMS F-D, S-U
Stowage and Handling SW1 SW22
Segregation SG69
Marine Pollutant

ICAO/IATA

IATA Proper Shipping Name AEROSOLS
Excepted Quantities E0
Passenger and Cargo Aircraft Limited Quantities Packing Instructions Y203
Passenger and Cargo Aircraft Limited Quantities Max net Qty 30Kg
Passenger and Cargo Aircraft Packing Instructions 203
Passenger and Cargo Aircraft Max net Qty 75Kg
Cargo Aircraft Packing Instructions 203
Cargo Aircraft Max net Qty 150Kg
Special Provisions A145, A167, A802
Emergency Response Guidebook (ERG) Code 10L

Labels

Labels 2.1



14.4 Packing group

Packing group Not applicable

14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.



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14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles 2-methoxy-1-methylethyl acetate (108-65-6), acetone propan-2-one propanone (67-64-1), methyl methacrylate methyl 2-methylprop-2-enoate methyl 2-methylpropenoate (80-62-6), n-butyl methacrylate (97-88-1), Petroleum gases, liquefied Petroleum gas [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately -40 °C to 80 °C (-40 °F to 176 °F).] (68476-85-7), propan-2-ol isopropyl alcohol isopropanol (67-63-0)

Community Rolling Action Plan (CoRAP) methyl methacrylate (80-62-6)

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS02

GHS07

GHS04: GHS: gas cylinder

GHS08: GHS: health hazard

Hazard classification

Carc. 1B : Carcinogenicity, Category 1B

Eye Irrit. 2 : Serious eye damage/irritation, Category 2

Flam. Gas 1 : Flammable gas, Category 1

Flam. Liq. 2 : Flammable liquid, Category 2

Flam. Liq. 3 : Flammable liquid, Category 3

Muta. 1B : Germ cell mutagenicity, Category 1B

Press. Gas : Gases under pressure

STOT SE 3_H335 : Specific target organ toxicity — single exposure, Category 3

STOT SE 3_H336 : Specific target organ toxicity — single exposure, Category 3

Skin Irrit. 2 : Skin corrosion/irritation, Category 2

Skin Sens. 1 : Skin sensitization, Category 1

Hazard Statement(s)

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.

H340: May cause genetic defects.

H350: May cause cancer.

EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

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.

P233: Keep container tightly closed.

P240: Ground and bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P251: Pressurised container - Do not pierce or burn, even after use.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands and exposed skin thoroughly after handling.



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P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
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.
P337+P313: If eye irritation persists: Get medical advice/attention.
P370+P378: In case of fire: Use to extinguish.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative

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