

SAFETY DATA SHEET WINSOR & NEWTON ARTISTS' FIXATIVE (AEROSOL)

According to Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name WINSOR & NEWTON ARTISTS' FIXATIVE (AEROSOL)
Product No. 3033913, 3042913, 3048913

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

Identified uses Fixing pastel, chalk, charcoal and pencil drawings.

1.3. Details of the supplier of the safety data sheet

Supplier Winsor & Newton
The Studio Building
21 Evesham Street
London W11 4AJ
United Kingdom
+44 (0)208 424 3224
Jon Lloyd
regulatoryaffairs@colart.co.uk
Manufacturer ColArt International SA
5 Rue Rene Panhard
Z.I .Nord
72021 Le Mans Cedex 2
+33 2 43 83 83 00

1.4. Emergency telephone number

44 (0) 208 4243224 This telephone number is available during office hours only

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Flam. Aerosol 1 - H222
Human health STOT SE 3 - H336
Environment Aquatic Chronic 3 - H412

Classification (1999/45/EEC) F+;R12. R52/53, R67.

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

Physical and Chemical Hazards

Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable, and explosive vapour/air mixtures may be formed even at normal room temperatures.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word Danger

Hazard Statements

H222 Extremely flammable aerosol.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.

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P271

Use only outdoors or in a well-ventilated area.

P410+412

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

P501

Dispose of contents/container to ...

Supplementary Precautionary Statements

P273

Avoid release to the environment.

P261

Avoid breathing vapour/spray.

P304+340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312

Call a POISON CENTER or doctor/physician if you feel unwell.

P403+233

Store in a well-ventilated place. Keep container tightly closed.

P405

Store locked up.

2.3. Other hazards**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

2-METHYLPENTANE		5-10%
CAS-No.: 107-83-5	EC No.: 203-523-4	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Classification (67/548/EEC) F;R11 Xn;R65 Xi;R38 R67 N;R51/53	
ACETIC ACID ...%		< 1%
CAS-No.: 64-19-7	EC No.: 200-580-7	Registration Number: 01-2119475328-30
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Corr. 1A - H314	Classification (67/548/EEC) R10 C;R35	
ACETONE		5-10%
CAS-No.: 67-64-1	EC No.: 200-662-2	Registration Number: 01-2119471330-49-xxxx
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	
BUTANONE		1-5%
CAS-No.: 78-93-3	EC No.: 201-159-0	Registration Number: 01-2119457290-43-xxxx
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	

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DIMETHYL ETHER			30-60%
CAS-No.: 115-10-6	EC No.: 204-065-8	Registration Number: 01-2119472128-37	
Classification (EC 1272/2008) Flam. Gas 1 - H220		Classification (67/548/EEC) F+;R12	
ETHANOL			30-60%
CAS-No.: 64-17-5	EC No.: 200-578-6	Registration Number: 01-2119457610-43-xxxx	
Classification (EC 1272/2008) Flam. Liq. 2 - H225		Classification (67/548/EEC) F;R11	
METHANOL			< 1%
CAS-No.: 67-56-1	EC No.: 200-659-6	Registration Number: 01-2119433307-44-xxxx	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370		Classification (67/548/EEC) F;R11 T;R23/24/25,R39/23/24/25	
METHYL ACETATE			< 1%
CAS-No.: 79-20-9	EC No.: 201-185-2		
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336		Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	
PROPAN-2-OL			< 1%
CAS-No.: 67-63-0	EC No.: 200-661-7	Registration Number: 01-2119457558-25-xxxx	
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		Classification (67/548/EEC) F;R11 Xi;R36 R67	

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

Inhalation

NOTE! Keep affected person away from heat, sparks and flames! Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

Immediately rinse mouth and provide fresh air. DO NOT INDUCE VOMITING! Get medical attention.

Skin contact

Wash the skin immediately with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

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Eye contact

Spray in the eyes: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

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

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Extremely flammable. Forms explosive mixtures with air. May travel considerable distance to source of ignition and flash back. Aerosol cans may explode in a fire.

Specific hazards

Aerosol containers can explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Avoid inhalation of vapours and aerosol spray.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Store in a cool and well-ventilated place. Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Pressurised container: Must not be exposed to temperatures above 50°C.

7.3. 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

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Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ACETIC ACID ...%	OES	10 ppm	25 mg/m3	15 ppm	37 mg/m3	
ACETONE	OES	500 ppm	1210 mg/m3	1500 ppm	3620 mg/m3	
BUTANONE	OES	200 ppm	600 mg/m3	300 ppm	899 mg/m3	
DIMETHYL ETHER	OES	400 ppm	766 mg/m3	500 ppm	958 mg/m3	
ETHANOL	OES	1000 ppm	1920 mg/m3			
METHANOL	OES	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)	
METHYL ACETATE	OES	200 ppm	616 mg/m3	250 ppm	770 mg/m3	
PROPAN-2-OL	OES	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	

Ingredient Comments

OES = Occupational Exposure Standard.

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

In case of inadequate ventilation use suitable respirator.

Hand protection

Use suitable protective gloves if risk of skin contact.

Eye protection

Use eye protection. Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke. Use appropriate skin cream to prevent drying of skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	Aerosol.
Odour	Solvent.
Flash point	<40.
Auto Ignition Temperature (°C)	400 - 580
Flammability Limit - Lower(%)	1.8
Flammability Limit - Upper(%)	9.5
Comments	Information given concerns the major ingredient.

9.2. Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity****10.2. Chemical stability**

Avoid Heat, sparks, flames.

WINSOR & NEWTON ARTISTS' FIXATIVE (AEROSOL)**10.3. Possibility of hazardous reactions****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**10.6. Hazardous decomposition products**

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Acute toxicity:**

Acute Toxicity (Oral LD₅₀)

Not determined.

Acute Toxicity (Dermal LD₅₀)

Not determined.

Acute Toxicity (Inhalation LC₅₀)

Not determined.

Inhalation

In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritating to eyes. Spray and vapour in the eyes may cause irritation and smarting. May cause severe irritation to eyes.

Route of entry

Inhalation.

Target Organs

Central nervous system Respiratory system, lungs

Medical Symptoms

Inhalation may cause: Headache. Dizziness. Stupor.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity**

Not known.

12.1. Toxicity

Acute Toxicity - Fish

Not determined.

Acute Toxicity - Aquatic Invertebrates

Not determined.

Acute Toxicity - Aquatic Plants

Not determined.

Acute Toxicity - Microorganisms

Not determined.

12.2. Persistence and degradability**Degradability**

The degradability of the product has not been stated.

12.3. Bioaccumulative potential

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Bioaccumulation factor
Not determined.

12.4. Mobility in soil

Mobility:
Highly volatile and will rapidly evaporate to the air

12.5. Results of PBT and vPvB assessment**12.6. Other adverse effects****SECTION 13: DISPOSAL CONSIDERATIONS**

General information
Do not puncture or incinerate even when empty.

13.1. Waste treatment methods

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

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

14.2. UN proper shipping name

Proper Shipping Name	AEROSOLS, FLAMMABLE
Proper Shipping Name	AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR/RID/ADN Class	Class 2.1: Flammable gases.
ADR Label No.	2.1
IMDG Class	2.1
ICAO Class/Division	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

Tunnel Restriction Code (D)

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

WINSOR & NEWTON ARTISTS' FIXATIVE (AEROSOL)**SECTION 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2. Chemical Safety Assessment**SECTION 16: OTHER INFORMATION**

Revision Date	27/05/2014
Revision	3
Supersedes date	05/10/2012
Date	16/03/2010
Risk Phrases In Full	
R35	Causes severe burns.
R12	Extremely flammable.
R10	Flammable.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R11	Highly flammable
R36	Irritating to eyes.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R67	Vapours may cause drowsiness and dizziness.
Hazard Statements In Full	
EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs <<Organs>>.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

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