

Safety Data Sheet

CLASSIFICATION IN ACCORDANCE WITH CLP/GHS

Product Name

ARTIST CLEAR PICTURE VARNISH (AEROSOL)

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

1.1 Product Identifier ARTIST CLEAR PICTURE VARNISH (AEROSOL)
 1.2 Synonym (s) Aerosol Varnish
 1.3 REACH Registration No Not available
 1.4 Relevant identifier uses and advice against Varnish for protecting Oil and Acrylic paintings

1.5 Details of the supplier DALER-ROWNEY LTD
 PEACOCK LANE
 BRACKNELL
 RG12 8SS
 ENGLAND
 Telephone: +44 (0) 1344 461000

E-mail contact : tom.stagles@daler-rowney.com

1.6 Emergency Telephone +44(0)1344 461083 (Monday to Friday 08:00-16:00)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification (EC1272/2008) Extremely flammable Gas (Category 1)
 Harmful: may cause lung damage if swallowed
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
 Repeated exposure may cause skin dryness or cracking

2.2 Classification (CHIP 4) EXTREMELY FLAMMABLE GAS
 F+,R12; Xn, R65; N;R51/R53, R10, R66

2.3 Label Elements



2.4 Signal Word

DANGER

2.5 Hazard Statement

H220	Extremely flammable gas
H226	Flammable liquids
H304	Aspiration hazard
H336	Vapour may cause drowsiness and dizziness

2.6 Precautionary Statement

P101 If medical advice is needed, have product container or label at hand.

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P102	Keep out of reach of children.
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P280	Wear protective gloves/protective clothing/eye protection/face protection
P271	Use only outdoors or in a well-ventilated area.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.

2.7 Supplemental Information Not applicable

2.8 Other hazard information May be fatal if swallowed and enters airways

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical Name

Name	Cas-No	EC No	REACH Reg No	Classification		Conc'n %	
1-METHOXY-2-PROPANOL	107-98-2	203-539-1		Dgr	GHS02	H226	5-10%
						H336	
BUTANE	106-97-8	203-448-7			H220	5-10%	
ISOBUTANE	75-28-5	200-857-2			H220	1-5%	
PROPANE	74-98-6	200-827-9			H220	10-30%	
WHITE SPIRIT	64742-82-1	265-185-4		GHS08	H304	30-60%	

F+, R12; Xn, R65; N; R51/R53, R10, R66

Other components are either not classified or are below the concentrate limit for classification

3.2 Further Information Key to abbreviation, hazard statements are risk phrases in Section 16

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures
Inhalation

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Get medical attention if discomfort continues

Skin contact

Remove contaminated clothing. Wash the skin immediately with soap and water. Get prompt medical attention if symptoms occur after washing.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes and get medical attention if discomfort continues

Ingestion

Do not induce vomiting! Never make an unconscious person vomit or drink fluids! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately if discomfort continues

4.2 Most important symptoms and effects, both acute and delayed

Irritation to eyes, skin, upper respiratory system; headache, drowsiness, dizziness, nausea, vomiting, visual disturbance

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4.3 Indication of immediate medical attention and special treatment needed

If swallowed, obtain immediate medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 General Hazard THE PRODUCT CONTAINS EXTREMELY FLAMABLE GASSES

5.2 Extinguishing media

Fire can be extinguished using, foam, dry chemicals, sand, dolomite etc

5.3 Extinguishing media not to be used

Do not use direct water jet as this will scatter and spread the fire.

5.4 Special hazards arising from the substance or mixture

Decomposition product released in fire,(e.g. oxide of carbon) should be considered toxic if inhaled
The product is fire and explosive hazard.

5.5 Advice for Fire Fighters

Avoid breathing fire vapours. Use water spray only to cool containers until well after the fire is out. Do not use water on leaked material as this will scatter and spread the fire. Keep run-off water out of sewers and water sources.

* Aerosol cans may explode in a fire*

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition – NO SMOKING

6.2 Environmental precautions

Do not allow to get into waste water or waterway; if this occurs inform the relevant water authority at once.

6.3 Methods and material for containment and cleaning up

Take up with absorbent materials, eg. sand, sawdust, using spark proof equipment, into tightly closable container. Label container and dispose of as described.

6.4 Reference to other sections

Section 8 – personal protective measures

Section 13- disposal and waste

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. Static electricity and formation of sparks must be prevented.

7.2 Conditions for safe storage, including any incompatibilities

Keep in cool, dry, well-ventilated area in closed containers. Keep in original container. Aerosols cans: Must not be in direct sunlight or temperatures above 50°C

7.3 Specific end uses

Vanishing art work.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1 Control parameters

Name	Std	TWA- 8hours		STEL - 15 min		Note
1-METHOXY-2-PROPANOL	WEL	100ppm(sk)	375 mg/m ³	150ppm	560mg/m ³	
BUTANE	WEL	600ppm	1450 mg/m ³	750ppm	1810 mg/m ³	
ISOBUTANE	WEL	800ppm	1920mg/m ³	800ppm	1920mg/m ³	
PROPANE		1000ppm	1800mg/m ³	1250ppm	2010mg/m ³	
WHITE SPIRIT		100ppm	441 mg/m ³	125ppm	600mg/m ³	

8.2 Personal protection

Eye / face protection

Wear approved chemical safety goggles where eye exposure is reasonably probable

Skin protection

Use protective gloves

Respiratory protection

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

Other personal protection

Eye wash available

8.3 Environmental exposure controls

Do not allow to get into waste water or waterway

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical form	Aerosol
Colour	Colourless
Odour	Hydrocarbon
Molecular weight	Not applicable
Molecular formula	Not applicable
pH	Not applicable
Boiling point range	Less than 0°C
Melting point range	N/A
General flammability (%)	Extremely flammable
Flash point	<0°C
Auto- ignition temperature	Not available
Decomposition temperature	Not available
Relative density	<1 of liquid
Explosive properties	Explosive mixtures in air can occur
Oxidation properties	Not available
Vapour pressure	Not available

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Vapour Density	Not available
Relative evaporation rate	Not available
Viscosity	Fluid liquid
Water solubility	Partly Miscible with water
Partition coefficient	Not available
(log P or K n-octanol/water)	Not available

9.2 Other information

Miscible with organic solvent

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

May dissolve or soften some plastic materials.

10.2 Chemical stability

Stable under normal condition.

10.3 Possibility of hazardous reactions

Strong alkalis. Strong mineral acids.

10.4 Conditions to Avoid

Avoid heat, flame and other sources of ignition. Avoid contact with strong oxidising agents.

10.5 Incompatible materials

10.6 Hazardous decomposition products

Fire creates: Gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity Data not available

11.2 Skin corrosion/irritation Data not available

11.3 Serious eye damage/irritation Data not available

11.4 Respiratory or skin sensitisation Data not available

11.5 CMR effects Data not available

11.6 Other information

May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity Data not available

12.2 Persistence and degradability Data not available

12.3 Bioaccumulative potential Data not available

12.4. Mobility in soil Data not available

12.5. Results of PBT and vPvB assessment Data not available

12.6. Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS

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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	1950
14.2 UN Proper Shipping Name	AEROSOL
14.3 Transport hazard class(es)	1
14.4 Packing group	2
14.5 Environmental hazards	Not available
14.6 Emergency Action Code	F-D, S-U
14.7 Hazard Identification Number	Not available

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the product

Classification, Labelling and packaging Regulation (EC) 1272/2008

Control of Major Accident Hazards Regulations 1999

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

SECTION 16. OTHER INFORMATION

16.1 Date of revision	December 2010
16.2 Reason of revision	Complying with CLP/GHS
16.3 Section revised	All 16 sections revised

SECTION 16. OTHER INFORMATION

16.1 Key to Hazard Statements In Section 3

H220	Extremely flammable gas
H226	Flammable liquids
H304	Aspiration hazard
H336	Vapour may cause drowsiness and dizziness

16.2 Key to Risk Phrases In Section 3

F+;R12	Extremely flammable
R10	Flammable

DALER ♦ ROWNEY

Issue Date: December 2010

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	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/R53	
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirement. It should not be construed as guaranteeing specific properties

Data sheet prepared by Daler-Rowney/Technical department

Prepared December 2010