

# Safety Data Sheet

## CLASSIFICATION IN ACCORDANCE WITH CLP/GHS

Product Name

PERFIX COLOURLES FIXATIVE (AEROSOL)

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

1.1 Product Identifier **PERFIX COLOURLES FIXATIVE (AEROSOL)**  
 1.2 Synonym (s) **Aerosol Fixative**  
 1.3 REACH Registration No **Not available**  
 1.4 Relevant identifier uses and advice against **Fixative for pastels and charcoal drawings**

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](mailto: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 **Extremely flammable Gas (Category 1)**  
**(EC1272/2008)** **Flammable Liquid (Category 2)**

2.2 Classification **EXTREMELY FLAMMABLE GAS**  
**(CHIP 4)** **F+,R12; F,R11; R10; R67**

2.3 Label Elements



2.4 Signal Word

**DANGER**

2.5 Hazard Statement

H220 **Extremely flammable gas**  
 H225 **Highly flammable liquid and vapour**  
 H336 **Vapour may cause drowsiness and dizziness**

2.6 Precautionary Statement

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

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

### 2.7 Supplemental Information

Not applicable

### 2.8 Other hazard information

May cause drowsiness or dizziness

## 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	30-60%
						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%
ETHANOL	64-17-5	200-578-6		GHS02	H225	10-30%	

F+;R12; F+: R11; R10, R67

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

### 4.3 Indication of immediate medical attention and special treatment needed

If swallowed, obtain immediate medical attention.

## SECTION 5. FIRE-FIGHTING MEASURES

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#### 5.1 General Hazard

THE PRODUCT CONTAINS EXTREMELY FLAMMABLE GASES

#### 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

Fixative for pastels and charcoal drawings

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Name	Std	TWA- 8hours		STEL - 15 min		Note
1-METHOXY-2-PROPANOL	WEL	100ppm(sk)	375 mg/m <sup>3</sup>	150ppm	560mg/m <sup>3</sup>	
BUTANE	WEL	600ppm	1450 mg/m <sup>3</sup>	750ppm	1810 mg/m <sup>3</sup>	

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ISOBUTANE	WEL	800ppm	1920mg/m <sup>3</sup>	800ppm	1920mg/m <sup>3</sup>	
PROPANE		1000ppm	1800mg/m <sup>3</sup>	1250ppm	2010mg/m <sup>3</sup>	
ETHANOL		1000ppm	1900mg/m <sup>3</sup>	1000ppm	1880mg/m <sup>3</sup>	

### 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

<b>Physical form</b>	Aerosol
<b>Colour</b>	Colourless
<b>Odour</b>	Hydrocarbon
<b>Molecular weight</b>	Not applicable
<b>Molecular formula</b>	Not applicable
<b>pH</b>	Not applicable
<b>Boiling point range</b>	Less than 0°C
<b>Melting point range</b>	N/A
<b>General flammability (%)</b>	Extremely flammable
<b>Flash point</b>	<0°C
<b>Auto- ignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Relative density</b>	<1 of liquid
<b>Explosive properties</b>	Explosive mixtures in air can occur
<b>Oxidation properties</b>	Not available
<b>Vapour pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Relative evaporation rate</b>	Not available
<b>Viscosity</b>	Fluid liquid
<b>Water solubility</b>	Partly Miscible with water
<b>Partition coefficient (log P or K n-octanol/water)</b>	Not available

### 9.2 Other information

Miscible with organic solvent

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## 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

With strong oxidising agents.

### 10.4 Conditions to Avoid

Avoid heat, flame and other sources of ignition.

### 10.5 Incompatible materials

### 10.6 Hazardous decomposition products

Fire creates: Gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## 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

### 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

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<b>14.1 UN Number</b>	1950
<b>14.2 UN Proper Shipping Name</b>	AEROSOL
<b>14.3 Transport hazard class(es)</b>	1
<b>14.4 Packing group</b>	2
<b>14.5 Environmental hazards</b>	Not available
<b>14.6 Emergency Action Code</b>	F-D, S-U
<b>14.7 Hazard Identification Number</b>	Not available

<b>SECTION 15. REGULATORY INFORMATION</b>
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**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.

<b>SECTION 16. OTHER INFORMATION</b>
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<b>16.1 Date of revision</b>	December 2010
<b>16.2 Reason of revision</b>	Complying with CLP/GHS
<b>16.3 Section revised</b>	All 16 sections revised

<b>SECTION 16. OTHER INFORMATION</b>
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**16.1 Key to Hazard Statements In Section 3**

H220	Extremely flammable gas
H225	Highly flammable liquid and vapour
H336	Vapour may cause drowsiness and dizziness

**16.2 Key to Risk Phrases In Section 3**

F+;R12	Extremely flammable
R10	Flammable
R11	Highly flammable
R67	Vapours may cause drowsiness and dizziness.

**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