

SAFETY DATA SHEET



DATE PREPARED: 26.02.13

Issue Date. 08/10/2013

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

1.1. Product identifier

Product name ColorFill Solid Surface Adhesive

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

Identified uses 2 Part Adhesive

1.3. Details of the supplier of the safety data sheet

Supplier UNIKA COLOR PRODUCTS LTD.
NEW YORK INDUSTRIAL PARK,
NEWCASTLE UPON TYNE, NE27 0QF
TELEPHONE:+44 (0) 191 259 0033

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Flam. Liq. 2 - H225, H226; Flam. Liq. 3 - H225, H226
Human health Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; STOT SE 3 - H335
Environment Aquatic Chronic 3 - H412

Classification (1999/45/EEC) Xi; R36/37/38. R43. F; R11. R10, R52/53.

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

Physical and Chemical Hazards

Flammable liquids, category 2

2.2. Label elements

Contains BENZOYL PEROXIDE
ETHYLENE DIMETHACRYLATE
METHYL METHACRYLATE MONOMER (MMA)

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



Signal Word

Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

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Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.
P501	Dispose of contents/container to ...

Supplementary Precautionary Statements

P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P261	Avoid breathing vapour/spray.
P264	Wash contaminated skin thoroughly after handling.
P321	Specific treatment (see medical advice on this label).
P370+378	In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P332+313	If skin irritation occurs: Get medical advice/attention.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P337	If eye irritation persists:
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P403+235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

1-Dodecanthoil	< 1%
CAS-No.: 112-55-0	EC No.:
Classification (EC 1272/2008) Skin Corr. 1B - H314 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) C;R34. N;R50/53.

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BENZOYL PEROXIDE 1-5%	
CAS-No.: 94-36-0	EC No.: 202-327-6
Classification (EC 1272/2008) Org. Perox. B - H241 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Classification (67/548/EEC) E;R3 O;R7 Xi;R36 R43

BISPHENOL F-EPOXY RESIN 10-30%	
CAS-No.: 9003-36-5	EC No.:
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xi;R36/38. N;R51/53.

CUMENE HYDROPEROXIDE < 1%	
CAS-No.: 80-15-9	EC No.: 201-254-7
Classification (EC 1272/2008) Org. Perox. E - H242 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 3 - H331 Skin Corr. 1B - H314 STOT SE 3 - H335 STOT RE 2 - H373 Aquatic Chronic 2 - H411	Classification (67/548/EEC) O;R7 T;R23 C;R34 Xn;R21/22,R48/20/22 N;R51/53

ETHYLENE DIMETHACRYLATE 1-5%	
CAS-No.: 97-90-5	EC No.: 202-617-2
Classification (EC 1272/2008) Skin Sens. 1 - H317 STOT SE 3 - H335	Classification (67/548/EEC) R43 Xi;R37

METHYL METHACRYLATE MONONMER (MMA) 60-100%	
CAS-No.: 80-62-6	EC No.: 201-297-1

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Classification (EC 1272/2008) Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335	Classification (67/548/EEC) Xi;R36/37/38. F;R11. R43.
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N,N-DIMETHYL-PARA-TOLUIDINE < 1%

CAS-No.: 99-97-8 EC No.: 202-805-4

Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT RE 2 - H373 Aquatic Chronic 3 - H412	Classification (67/548/EEC) T;R23/24/25 R33 R52/53
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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

Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration

Inhalation

Move to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get medical attention.

Ingestion

If swallowed, do NOT induce vomiting. Call a Doctor or poison control centre immediately. Never give anything by mouth to an unconscious person

Skin contact

Wash the skin immediately with soap and water. Remove contaminated clothing. Get medical attention promptly if symptoms occur after washing. Wash or dispose of clothing before reuse

Eye contact

Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Seek immediate medical advice

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

Inhalation.

Respiratory tract irritant. High concentrations may cause dizziness, headache, and anesthetic effects May cause respiratory sensitisation with asthma-like symptoms in susceptible individuals

Ingestion

Can cause irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain

Skin contact

Can cause skin irritation; itching, redness, rashes, hives, burning and swelling. Allergic reactions are possible May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material

Eye contact

Can cause moderate irritation, burning sensation, tearing, redness, and swelling Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury

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

See section: Description of first aid measures

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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Carbon dioxide (CO₂). Dry chemicals.

Unsuitable extinguishing media

Water may cause frothing

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Sealed containers at elevated temperatures may rupture explosively and spread fire due to polymerization

5.3. Advice for firefighters

Special Fire Fighting Procedures

Evacuate area of unprotected personnel Use water to keep fire exposed containers cool and disperse vapours. Do not enter confined fire space without full protective gear If possible, contain fire run-off water

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

~~Prevent contamination of sewers, streams and ground water~~

6.3. Methods and material for containment and cleaning up

Small Spillages: Dam and absorb spillage with sand, sawdust or other absorbent. After all visible traces, including ignitable vapours, have been removed, thoroughly vacuum the area If area of spill is porous, remove as much contaminated earth and gravel etc as necessary and place in closed containers for disposal Only those persons who are adequately trained, authorised and wearing the required personal protective equipment should participate in spill response clean up Large Spillages: Ventilate the area by natural means or by explosion proof

mechanical means (i.e fans) Transfer liquids to covered and labelled metal containers for recovery or disposal, or remove with inert absorbent Use non sparking tools Do not contaminate water sources or sewer. See information in Small Spills

6.4. Reference to other sections

See section 7 for information on safe handling.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

~~No smoking Avoid contact with body Do not breath vapours Empty containers must not be washed and re-used for any purpose Contact lens wearers must wear protective eye wear around chemical vapors and liquid Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. To prevent build up of vapours, use adequate natural and/or mechanical ventilation~~

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from heat, combustible materials, direct sunlight and incompatible materials Keep containers tightly closed.

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7.3. Specific end use(s)

2 Part adhesive Usage Description

Adhesive

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BENZOYL PEROXIDE	WEL		5 mg/m ³			
METHYL METHACRYLATE MONONMER (MMA)	WEL	50 ppm	208 mg/m ³	100 ppm	416 mg/m ³	

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Engineering measures

Explosion-proof general and local exhaust ventilation. Well-ventilated area. Ground and bond all equipment

Respiratory equipment

NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstances where air purifying respirators may not provide adequate protection

Hand protection

Wear chemical resistant, impervious gloves

Eye protection

Wear goggles/face shield. Wear approved safety goggles. A suitable emergency eye wash station should be located near the work station

Hygiene measures

Wash hands after

handling. Skin

protection

Wear chemical resistant, impervious gloves

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Adhesive - Paste
Odour	Fragrant - Adhesive Mild Ester - Activator
Solubility	Not determined
Initial boiling point and boiling range	100.5
Melting point (°C)	-47.7
Relative density	7.753 - 8.754
Vapour density (air=1)	3.5
Vapour pressure	28 mm Hg Activator - <0.5 mmHg
Evaporation rate	<3 Activator < 1 (butyl acetate = 1)
pH-Value, Conc. Solution	
Not	

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determined.

Viscosity

Not determined.

Decomposition temperature (°C) Not determined.

Odour Threshold, Lower

Not available.

Odour Threshold, Upper

Not available.

Flash point 10 TOC (Tag open cup).

Auto Ignition Temperature (°C) Not determined.

Flammability Limit - Lower(%)

Not determined.

Flammability Limit - Upper(%)

Not determined. Partition Coefficient (N-Octanol/Water) Not determined. Explosive properties

Not determined. Oxidising properties Not determined.

9.2. Other information

No data available / Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Incompatible with: Strong oxidising agents. Strong alkalis. Acids.

10.2. Chemical stability

Unstable.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

May polymerise.

10.4. Conditions to avoid

Adhesive: Extreme heat, sparks and open flame Avoid contact with: Oxygen free atmospheres or inert gas blanketing Freezing Activator: See adhesive Contamination, direct sunlight, friction and prolonged storage above 38C

10.5. Incompatible materials

Materials To Avoid

Strong Oxidising agents Strong alkalis. Strong acids.

10.6. Hazardous decomposition products

Not known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

Inhalation can cause damage to the respiratory tract or lungs

Ingestion

May cause irritation to the digestive tract

Skin contact

May cause sensitization by skin contact

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Do not empty into drains / surface water / ground water

12.1. Toxicity

No information available.

12.2 Persistence and degradability

No further relevant information available

12.3. Bioaccumulative potential

Bioaccumulative potential

The product contains potentially bioaccumulating substances.

Partition coefficient

Not determined.

12.4. Mobility in soil

Mobility:

No further relevant information available

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. DANGER! rags, steel wool and waste soaked with this product may spontaneously catch fire if improperly discarded or stored. To avoid a sponataneous combustion fire, immediately after use, place rags, steel wool or waste in a sealed, water filled metal container

13.1. Waste treatment methods

Dispose of in accordance with local and national regulations

SECTION 14: TRANSPORT INFORMATION

General No other information noted.

14.1. UN number

UN No. (ADR/RID/ADN) 1133

14.2. UN proper shipping name

Proper Shipping Name Adhesives containing a flammable liquid

14.3. Transport hazard class(es)

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ADR/RID/ADN Class 3

14.4. Packing group

ADR/RID/ADN Packing group II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6. Special precautions for user

Not available.

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

No information required

SECTION 15: REGULATORY INFORMATION

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

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, 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

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Risk Phrases in Full

- | | |
|--------|--|
| R34 | Causes burns |
| R33 | Danger of cumulative effects. |
| R3 | Extreme risk of explosion by shock, friction, fire or other sources of ignition |
| R10 | Flammable |
| R21/22 | Harmful in contact with skin and if swallowed. |
| R52/53 | Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment |

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R48/20/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R11	Highly flammable
R36/38	Irritating to eyes and skin
R36/37/38	Irritating to eyes, respiratory system and skin.
R36	Irritating to eyes
R37	Irritating to respiratory system
R7	May cause fire
R43	May cause sensitisation by skin contact
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R23	Toxic by inhalation
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements in Full

H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H241	Heating may cause a fire or explosion
H242	Heating may cause a fire
H301	Toxic if swallowed
H302	Harmful if swallowed
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects.

