



# SAFETY DATA SHEET

DATE PREPARED/REVISED. 27/08/10

Supersedes SDS dated

Issue Date. 05/11/2010

## 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

**PRODUCT NAME:** ALCOHOL WIPE  
**SUPPLIER:** UNIKA COLOR PRODUCTS LTD.  
NEW YORK INDUSTRIAL PARK,  
NEWCASTLE UPON TYNE, NE27 0QF  
**TELEPHONE:** +44 (0) 191 259 0033

## 2. COMPOSITION/INFORMATION ON INGREDIENTS:

An aqueous/alcoholic based liquid absorbed on to synthetic towelling sheets.

Ingredient	Einecs No	CAS No	% in product	Symbol	Risk
Propan-2-ol	200-661-7	67-63-0	>99%	F, Xi	R10, R36, R67

## 3. HAZARDS IDENTIFICATION:

Flammable  
Irritant to the eyes  
Vapour may cause drowsiness or dizziness

## 4. FIRST AID MEASURES:

Inhalation - Ensure patient has good supply of fresh air. If breathing is difficult, perform artificial respiration and obtain medical attention.  
Ingestion - Rinse mouth and provide fresh air. Do not induce vomiting. Drink fresh water.  
Skin contact - Remove the affected person from the source of the contamination. Remove any saturated clothing and wash the skin with plenty of water.  
Eye contact - Rinse thoroughly with plenty of water. If irritation persists, obtain medical attention.

## 5. FIRE FIGHTING MEASURES:

The product is flammable. The liquid portion is water soluble.  
Suitable extinguishing media:  
Water  
Alcohol resistant foam  
Carbon dioxide

Dry powder

#### **6. ACCIDENTAL RELEASE MEASURES:**

Avoid contact with eyes..  
Clean up procedure: Ensure good ventilation. Contain and soak up with non-combustible absorbent material. and place into sealed containers. Do not allow to enter waterways or drains.

#### **7. HANDLING AND STORAGE:**

Keep away from oxidising agents, heat, sparks and open flames. Avoid spillage, skin and eye contact.

#### **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:**

If large quantities are being handled or exposure is lengthy or repeated, wear goggles and gloves and ensure that there is good ventilation.  
No special precautions are required under normal conditions of use.

#### **9. PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance: Liquid absorbed on to towelling.  
Odour: characteristic of isopropanol (propan-2-ol).  
Specific gravity: ~ 0.88 @ 20°C  
Flash point: Not measured, but expected to be low enough to be classed as flammable.  
pH – approximately neutral.

#### **10. STABILITY AND REACTIVITY:**

Stable and non reactive. Avoid strong oxidising agents, heat, sparks, and open flames.

#### **11. TOXICOLOGICAL INFORMATION:**

LD 50: Not measured  
LC 50: Not measured  
The isopropanol (propan-2-ol) contained in this product is irritating to the eyes and its vapour may cause drowsiness or dizziness if exposure is lengthy or repeated. However, this preparation is expected to be non toxic and non irritant under normal or reasonably foreseeable conditions of use.

## 12. ECOLOGICAL INFORMATION:

Biodegradability: Not measured. The product is expected to be readily biodegradable. The surfactants contained within this product comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Fish toxicity: Not measured. Do not allow to enter soil, waterways or drains.

## 13. DISPOSAL CONSIDERATIONS:

Absorb in a non-combustible material and dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION:

When shipping bulk product, care should be taken to ensure compliance with local and national regulations, CHIP regulations and hazchem requirements. No special labelling is required for the finished product.

## 15. REGULATORY INFORMATION:

Risk phrases: (For Propan-2-ol))

R10 Flammable

R36 Irritating to eyes

R67 Vapours may cause drowsiness or giddiness.

## 16. OTHER INFORMATION:

*The information contained in this Data Sheet is provided in accordance with the **Chemicals (Hazard Information and Packaging for Supply) Regulations 2002** for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.*

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.



**Unilever**  
**SAFETY DATA SHEET**  
**Cif Cream (White)**

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Cif Cream (White)

SUPPLIER Unilever UK Limited  
 Springfield Drive  
 Leatherhead  
 Surrey  
 KT22 7GR  
 0800 78 39 426 / Eire 1850 388 399

unileversds@unileverconsumerlink.c  
 o.uk

PRODUCT NO. 353954/08.02.05, 8201986/ 15 / 29.01.2010

APPLICATION Liquid Abrasive Cleaner

EMERGENCY TELEPHONE 0137294 8999

CONTAINER SIZE Bottle

### 2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
Milled calcium carbonate		1317-65-3	10-25%	-
sodium alkyl benzene sulphonate		85117-50-6	5-10%	Xn;R22. Xi;R38,R41.
SODIUM CARBONATE	207-838-8	497-19-8	1-5%	Xi;R36
2-(2-BUTOXYETHOXY)ETHANOL	203-961-6	112-34-5	1-5%	Xi;R36
C12-15 alcohol ethoxylate (5 EO)		68131-39-5	1-5%	Xi;R41. N;R50.

The Full Text for all R-Phrases are Displayed in Section 16

#### COMPOSITION COMMENTS

For confidentiality reasons, the levels of components listed in Section 3 are given in percentage bands. The bandings do not reflect potential variation in composition of this formulation, but are used simply to mask the exact component levels, which we consider to be proprietary information. The classification given in Section 2 and 15 reflects the exact composition of this mixture.

### 4 FIRST-AID MEASURES

#### INHALATION

In case of accident by inhalation: remove casualty to fresh air and keep at rest. Get medical attention if any discomfort continues.

#### INGESTION

If swallowed, rinse mouth with water (only if the person is conscious). In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). Contact physician if larger quantity has been consumed.

#### SKIN CONTACT

Rinse the skin immediately with lots of water. Get medical attention if any discomfort continues.

#### EYE CONTACT

Rinse the eye with water immediately. Get medical attention if any discomfort continues.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

## Cif Cream (White)

### UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

### SPECIFIC HAZARDS

When heated and in case of fire, toxic vapours/gases may be formed.

### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

In case of spills, beware of slippery floors and surfaces. Wash thoroughly after dealing with a spillage. For industrial settings: Wear protective clothing as described in Section 8 of this safety data sheet.

### ENVIRONMENTAL PRECAUTIONS

Small quantities can be dissolved/diluted in water and flushed to drain. Large Spillages: Avoid discharge into drains, water courses or onto the ground. If risk of water pollution occurs, notify appropriate authorities.

### SPILL CLEAN UP METHODS

Small or household quantities may be cleaned up and disposed of with normal household waste. For industrial settings: Collect with absorbent, non-combustible material into suitable containers. Wash contaminated area with water. For waste disposal, see section 13.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid contact with eyes. For prolonged or repeated skin contact use suitable protective gloves. For industrial settings: Use appropriate engineering controls and personal precautions as defined in Section 8.

### STORAGE PRECAUTIONS

Keep in original container. Store at moderate temperatures in dry, well ventilated area.

### STORAGE CLASS

Unspecified storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs	STEL - 15 min	Notes
Milled calcium carbonate		4 mg/m3 resp.dust		

### HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. For industrial settings: Wear protective gloves. Refer to local risk assessment for further details

### EYE PROTECTION

For industrial settings: Use eye protection.

### HYGIENE MEASURES

Wash hands after handling. Observe good chemical hygiene practices.

### SKIN PROTECTION

For industrial settings: Wear appropriate clothing to prevent repeated or prolonged skin contact.

### ENVIRONMENTAL EXPOSURE CONTROLS

For industrial settings: Do not discharge into drains, water courses or onto the ground. If risk of water pollution occurs, notify appropriate authorities.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Creamy liquid		
RELATIVE DENSITY	1.2	pH-VALUE, CONC. SOLUTION	11.0
VISCOSITY	600 mPas (@ 25° C)		

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## 11 TOXICOLOGICAL INFORMATION

## Cif Cream (White)

### INHALATION

May cause irritation to the respiratory system.

### INGESTION

No harmful effects expected in amounts likely to be ingested by accident.

### SKIN CONTACT

Prolonged and frequent contact may cause redness and irritation.

### EYE CONTACT

May cause temporary eye irritation.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product is not expected to be hazardous to the environment.

### DEGRADABILITY

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

The product is not classified as dangerous to the environment in accordance with the criteria of the Dangerous Preparations Directive 1999/45/EC as amended. However, large volumes should not be discharged into drains, watercourses or onto the ground.

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION

GENERAL Not classified for transportation.

UN NO. ROAD 0

## 15 REGULATORY INFORMATION

### RISK PHRASES

NC Not classified.

### SAFETY PHRASES

AISE 1 Keep away from children.

AISE 2 Keep away from eyes. If product gets into eyes rinse thoroughly with water.

AISE 3 Rinse and dry hands after use.

AISE 4 People with sensitive or damaged skin should avoid prolonged contact with the product.

### EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC. 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.

## 16 OTHER INFORMATION

REVISION DATE 29/04/2010

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### RISK PHRASES IN FULL

R22 Harmful if swallowed.

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R50 Very toxic to aquatic organisms.

### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.



## SAFETY DATA SHEET

DATE PREPARED/REVISED. 15/07/10

Supersedes SDS dated

Issue Date. 15/07/2010

### 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

**PRODUCT NAME:** STONE GUARD  
**SUPPLIER:** UNIKA COLOR PRODUCTS LTD.  
NEW YORK INDUSTRIAL PARK,  
NEWCASTLE UPON TYNE, NE27 0QF

**TELEPHONE:** +44 (0) 191 259 0033

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

Hazardous component:	Cas No.	Index	Risk Phrases:	Concentration:
Non Ionic Surfactant		Xn	R22, R41	<2%
Quaternary Ammonium Compound		C	R34	1-5%

### 3. HAZARDS IDENTIFICATION:

Not classified as hazardous under the CHIP regulations.

### 4. FIRST AID MEASURES:

**Eye Contact:** Flush with plenty of clean water for at least 15 minutes. Obtain medical attention.  
**Skin Contact:** Wash off with water. The application of skin reconditioning (emollient) cream can be beneficial.  
**Inhalation:** Remove to fresh air.  
**Ingestion:** Milk or water to drink may be beneficial. Do not induce vomiting without medical advice.

### 5. FIRE FIGHTING MEASURES:

**Flammability:** Not normally combustible on account of its water content.  
**Extinguishing Media:** Foam, Dry Powder, Co2, Halon, fine water spray suitable.  
**Protective Equipment:** Standard protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES:

Wear gloves/eye protection. Do not allow product to soak into drains or water courses. Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery.

## 7. HANDLING AND STORAGE:

Storage Precautions: Store between 0-35°C. Keep in tightly closed containers. Protect from frost.  
Handling: Avoid contact with skin and eyes. Observe good standards of industrial hygiene.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided.  
Eyes: Chemical eye goggles should be worn.  
Hand: PVC or rubber gloves are recommended.  
Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.  
Exposure Limits: Not determined.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance	Clear Yellow Fluid	Specific Gravity @ 20°C	1.000 typical
Odour	Citrus	pH Neat	9.0 typical
pH @ 5% in tap water	7.5 typical	Boiling Point	100°C
Freezing Point	0°C	Vapour Pressure	Water=18mm Hg
Water Solubility	Totally Soluble		

## 10. STABILITY AND REACTIVITY:

Stability: Stable under normal conditions.  
Hazardous Decomposition: Oxides of carbon, water vapour and unidentified compounds, some of which could be toxic may be evolved.  
Conditions to Avoid: Naked flames, hot surfaces, other high temperature sources.

## 11. TOXICOLOGICAL INFORMATION:

Eyes: Not classified as an eye irritant. Contact with the undiluted product is likely to cause irritation and stinging.  
Skin: Not classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact with the undiluted product may lead to de-fatting of the skin and/or slight irritation.  
Inhalation: Unlikely to present any significant hazard at ambient temperature.  
Ingestion: Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use.

## 12. ECOLOGICAL INFORMATION:

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer



### 13. DISPOSAL CONSIDERATIONS:

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.

Wash out containers with water, running the washings to sewage treatment plant system. Dispose of empty containers in accordance with local and national regulations.

Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

### 14. TRANSPORT INFORMATION:

Not Classified.

### 15. REGULATORY INFORMATION:

Label for Supply: None

Risk Phrases: None

Safety Phrases: S2: Keep out of reach of children.  
S24/25: Avoid contact with skin & eyes.

### 16. OTHER INFORMATION:

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# 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.

# SAFETY DATA SHEET



**DATE PREPARED: 26.02.13**

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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.

# SAFETY DATA SHEET



**DATE PREPARED: 26.02.13**

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BENZOYL PEROXIDE <span style="float: right;">1-5%</span>	
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 <span style="float: right;">10-30%</span>	
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 <span style="float: right;">&lt; 1%</span>	
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 <span style="float: right;">1-5%</span>	
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) <span style="float: right;">60-100%</span>	
CAS-No.: 80-62-6	EC No.: 201-297-1

# SAFETY DATA SHEET



**DATE PREPARED: 26.02.13**

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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

# SAFETY DATA SHEET



**DATE PREPARED: 26.02.13**

**Issue Date. 08/10/2013**

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media

Use: Carbon dioxide (CO<sub>2</sub>). 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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**DATE PREPARED: 26.02.13**

**Issue Date. 08/10/2013**

## 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 <sup>3</sup>			
METHYL METHACRYLATE MONONMER (MMA)	WEL	50 ppm	208 mg/m <sup>3</sup>	100 ppm	416 mg/m <sup>3</sup>	

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.

