Vuba-Coat Rapigloss (Resin)

Quick Drying Twin Pack Floor Paint.

1 Identification of the substance / preparation and the company

Product name	Vuba-Coat Rapigloss (Resin)	**Email**	supplies@vuba-group.co.uk
Company	Vuba Supplies Limited Unit C, Venture Business Park, Subway Street Hull HU3 4EL	**Web**	www.vubasupplies.co.uk
		Telephone	+44 (0)1482 778897
		Fax	+44 (0)1482 424081

2 Composition / information on ingredients

Hazardous ingredients	Conc.	Index No.	CAS	EINECS	Symbols/Risk phrases
Bisphenol A-(epichlorhydrin) (reaction product)	30 - 40%	603-074-00-8	25068-38-6	500-033-5	Xi; R36/38 R43 N; R51/53
Alkylbenzene	0 - 0.5%		64742-95-6		Xn; R65 Xi; R37 N; R51/53 R10
Phenol Formaldehyde Polymer Glycidyl Ether	10 - 20%		28064-14-4		Xi; R36/38-43 N; R51/53
Oxiran, Mono[(C12-14-alkyloxy) methyl]- derivative	1 - 10%	603-103-00-4	68609-97-2	271-846-8	Xi; R38 R43
2-methoxy-1-methylethyl acetate (1-Methoxypropylacetate)	0 - 0.5%	607-195-00-7	108-65-6	203-603-9	R10

3 Hazards identification

Classification -1999/45/EC
Xi; R36/38-43 N; R51/53
Symbols: Xi: Irritant. N: Dangerous for the environment.

Main hazards
Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4 First aid measures

Inhalation
Move the exposed person to fresh air. If breathing stops, provide artificial respiration. Seek medical attention.

Eye contact
Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Immediate medical attention is required.

Skin contact
Wipe off with clean dry cloths /wipes and wash with plenty of soap and water, continue washing for at least 15 minutes. Do not use solvents as this may increase the spread, absorption and effect of contact. Remove contaminated clothing do not reuse clothing without effective laundering. Cover the affected area with a sterile dressing but do not apply greases or ointments. Seek medical attention.

Ingestion
If swallowed, do not induce vomiting, prevent aspiration of vomit. Give large quantities of water, seek medical attention immediately.

5 Fire fighting measures

Extinguishing media Foam, dry powder, CO^2or large quantity water spray (not full jet).

Special hazards arising from the substance or mixture If involved in a fire, may generate noxious or toxic vapours Restricted air supply may result in carbon monoxide and other decomposition products being formed.. Keep drums cool by spraying with water.

Advice for firefighters Fire fighters wear self-contained breathing apparatus.
Nb Run off water may contain a range of combustion products that should be prevented from entering waste water drains and watercourses or causing ground contamination. Personnel downwind should be protected from fumes and smoke.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Wear full protective clothing when dealing with a spillage. When working with significant quantities ensure adequate ventilation.

Environmental precautions Prevent from entering sewer system, surface water, or soil.

Methods and material for containment and cleaning up Absorb with earth, sand or other absorbent materials. Transfer to a suitable container for removal and safe disposal.

7 Handling and storage

Precautions for safe handling Wear eye protection, goggles or a face shield, impervious gloves and protective clothing. Avoid inhaling directly over containers. Do not heat or pressurise containers. Do not eat drink or smoke when working with these materials. Ensure that tools and equipment are kept clean, When mixing, open containers with care minimising risk of splash or spillage, pour into mixing container/ drum and mix at low speed avoiding splashing and air entrainment.

Conditions for safe storage, including any incompatibilities Keep in a cool, dry, well ventilated area. Keep away from food, drink and animal feedingstuffs. Keep containers sealed until mixing. Store at temperatures between 5 °C and 25 °C.

8 Exposure controls / personal protection

Exposure limits

2-methoxy-1-methylethyl acetate (1-Methoxypropylacetate)	WEL 8-hr limit ppm: 50 WEL 15 min limit ppm: 100	WEL 8-hr limit mg/m3: 274 WEL 15 min limit mg/m3: 548

Further information

During mixing: Wear glasses (EN 166), goggles or a face shield, impervious gloves and protective clothing (EN376 Index 6 480 min +) safety foot wear (EN346) .Wear respirator suitable for organic vapour/fumes (EN141 type ABEK).

During application: Wear glasses (EN 166), goggles or a face shield, impervious gloves and protective clothing (EN376 Index 6 480 min +) safety foot wear (EN346) . Apply in a well ventilated area.

In cases of insufficient ventilation, suitable respiratory protection should be used, particularly when in confined spaces or where aerosols may be formed. Remove and clean or dispose of contaminated clothing .

Clean skin at the end of shifts and use appropriate cleaning materials and skin care products if required. This document is prepared on the basis of large scale use of these materials, before reducing the level of safety equipment and precautions on the grounds of limited quantities, the user/operator must satisfy themselves that all legal and environmental protection requirements are met and the safety of the operator is maintained at all times.

9 Physical and chemical properties

State	Liquid.
Odour	Characteristic.
Flash point	113
Relative density	1.44 - 1.46 (Water = 1 @ 20 °C)
Solubility	Slightly miscible in water
VOC (Volatile organic compounds)	131.6 g/l Where VOC values are given these are calculated and are typical for the mixed product(s) covered by this data sheet.

10 Stability and reactivity

Hazardous decomposition products	No decomposition if used according to specifications. In case of a fire, carbon monoxide carbon dioxide and other harmful gases may be formed from packaging.
Further information	**Base:** Stable under normal conditions May react exothermally with amines, mercaptans and isocyanates, also with acids. In case of a fire, carbon monoxide carbon dioxide and other harmful gases may be formed.

11 Toxicological information

Repeated or prolonged exposure	Repeated exposure to dust at well above the OEL level by inhalation may produce adverse effects on the lungs. When mixed the combined effect of base and hardener and any aggregate should be considered. Effects of abrasion may increase the level / impact of other materials by damaging the skin.		
Toxicological Information	Bisphenol A-(epichlorhydrin) (reaction product)	Dermal Rat LD50: >1200mg/kg	Oral Rat LD50: 11400mg/kg
Further information	**Base:** May cause skin and eye irritation in humans. Delayed contact dermatitis can be caused by repeated exposure to epoxy resins, or materials containing them. When mixed the combined effect of base and hardener and any aggregate should be considered.		

12 Ecological information

Ecotoxicity	No data is available on this product.

13 Disposal considerations

General information	The UK Environmental protection (Duty of Care) regulations and amendments should be considered. Special waste regulations may apply to the disposal of resin contaminated waste (properties H4 and H5) or contaminated materials. Contaminated packaging should be emptied as far as possible before disposal. Labels should not be removed from packaging until properly cleaned by a licensed contractor. Materials that are not resin contaminated should be treated as non hazardous industrial waste and where ossible may be recycled. Do not reuse resin packaging.

14 Transport information

ADR/RID

UN	3082	**Packing group**	III
Class	9	**Hazard ID**	90
Tunnel Category	E		
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		

IMDG

UN	3082	**Packing group**	III
Class	9	**Marine pollutant**	Yes
EmS Code	F-A S-F	**Environmental hazards**	Yes

IATA

UN	3082	**Packing group**	III
Class	9	**Subsidiary risk**	-
Packing Instruction (Cargo)	964	**Maximum quantity**	450 L
Packing Instruction (Passenger)	964	**Maximum quantity**	450 L

Further information

Classification for transport purposes. Where no specific information is given the material is classed as non hazardous for transport.

15 Regulatory information

Regulations/Legislation

The following regulations may apply to the materials described in this data sheet Regulation EC 1907/2006 REACH, Regulation EC 1272/2008 CPL, Regulation EC 790/2009 1 ATP CPL, Regulation EC 453/2010 Amendment to REACH, Regulation EC 121/2006 CPL Dangerous substances.

Symbols

Xi: Irritant

N - Dangerous for the environment

Risk phrases

R36/38 - Irritating to eyes and skin.
R43 - May cause sensitisation by skin contact.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrase

S24 - Avoid contact with skin.
S29 - Do not empty into drains.
S37 - Wear suitable gloves

Precautionary Phrases

P5 - Contains epoxy constituents. See information supplied by the manufacturer.

16 Other information

Text of risk phrases in Section 2

R10 - Flammable
R36/38 - Irritating to eyes and skin.
R37 - Irritating to respiratory system.
R38 - Irritating to skin.
R43 - May cause sensitisation by skin contact.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 - Harmful: may cause lung damage if swallowed.

Maximum content of VOC

131.6 g/l.

Further information

All the foregoing information should be regarded as being applicable to the uncured mixed product as well as to the individual components.

The company operate a convention that regardless of the proportion the epoxy component is named as the base, the amine or curative component as the hardener.

This material may form part of a multi component pack, and is supplied in the correct proportions for that pack. Please check all of the product labels to ensure that the correct components and pack sizes are being used. Select and use appropriate pack sizes to minimise waste and operator exposure, do not split packs. Use in batch order.

This product / component is for use only as directed in the product data sheet and in accordance with good practice, alternative methods of application must be properly assessed before use. It is the responsibility of the user to carry out any statutory risk assessment associated with the use of this product in a given situation or environment. Due consideration should be given to the impact of the use of this product on others in the vicinity. It is the responsibility of the client to ensure that where risk assessments are being undertaken, this is being done with up to date information. The information in this safety data sheet is indicative of the product and properties and in no way constitutes a specification for sale or warrantee of product properties or fitness for specific application or purpose. This product / component may fall within the scope of the Control of substances Hazardous to Health Regulations (CoSSH), users are reminded that this document itself does not constitute an assessment under these regulations.

Training.
This product is supplied for professional use only.
It is recommended that all users of these materials should ensure that they are properly trained in the operation, use and working practices associated with this class of products. This may be in the form of supervised experience, Manufacturers training or preferably nationally accredited training courses.

Materials transportation and storage
The company will make every effort to ensure that materials are shipped correctly to the required address at the required time, however it is the client's responsibility to ensure that these materials are received, safely off loaded, and properly stored prior to use, and that any materials remaining on site are removed from site by suitable transport and taken to safe storage or a properly authorised waste disposal contractor or site. The company will not accept the return of any materials regardless of state, without the prior written authorisation of a Director.

The information in this document is given in good faith based on information provided by materials manufacturers and or suppliers It is believed to be correct, but is of a general nature. Individual users may exhibit a range of reactions to materials depending on personal susceptibility, medical history and previous history of exposure to materials of a similar nature. If any doubt exists, medical advice should be sought at the earliest opportunity, failure to do so could result in long term effects or conditions developing. Companies and individuals working in this sector should make every effort to ensure that they have diverse sources of information to maintain their awareness of issues affecting health and safety within the industry.

Vuba-Coat Rapigloss (Activator)

Quick Drying Twin Pack Floor Paint.

1 Identification of the substance / preparation and the company

Product name	Vuba-Coat Rapigloss (Activator)	**Email**	supplies@vuba-group.co.uk
		Web	www.vubasupplies.co.uk
Company	Vuba Supplies Limited Unit C, Venture Business Park, Subway Street Hull HU3 4EL	**Telephone**	+44 (0)1482 778897
		Fax	+44 (0)1482 424081

2 Composition / information on ingredients

Hazardous ingredients	Conc.	Index No.	CAS	EINECS	Symbols/Risk phrases
trimethylhexane-1,6-diamine	20 - 30%		25620-58-0	247-134-8	
m-Phenylenebis(methylamine)	20 - 30%		1477-55-0	216-032-5	
4-tert-Butylphenol	20 - 30%		98-54-4	202-679-0	
Nonylphenol	1 - 10%	601-053-00-8	25154-52-3	246-672-0	Repr. Cat. 3; R62-63 Xn; R22 C; R34 N; R50/53

3 Hazards identification

Classification - 1999/45/EC
C; R35 Xn; R20/22 Xi; R37-43 N; R51/53
Symbols: C: Corrosive. N: Dangerous for the environment.

Main hazards
Harmful by inhalation and if swallowed. Causes severe burns. Irritating to respiratory system. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4 First aid measures

Inhalation
Move the exposed person to fresh air. If breathing stops, provide artificial respiration. Seek medical attention.

Eye contact
Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Immediate medical attention is required.

Skin contact
Wipe off with clean dry cloths /wipes and wash with plenty of soap and water, continue washing for at least 15 minutes. Do not use solvents as this may increase the spread, absorption and effect of contact. Remove contaminated clothing do not reuse clothing without effective laundering. Cover the affected area with a sterile dressing but do not apply greases or ointments. Seek medical attention.

Ingestion
If swallowed, do not induce vomiting without medical advice. Prevent aspiration of vomit. Seek medical attention immediately.

5 Fire fighting measures

Extinguishing media

Foam, dry powder, CO2 or large quantity water spray (not full jet).

Special hazards arising from the substance or mixture

If involved in a fire, may generate noxious or toxic vapours Restricted air supply may result in carbon monoxide and other decomposition products being formed. Keep drums cool by spraying with water.

Advice for firefighters

Fire fighters wear self-contained breathing apparatus.

Nb Run off water may contain a range of combustion products that should be prevented from entering waste water drains and watercourses or causing ground contamination. Personnel downwind should be protected from fumes and smoke.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear full protective clothing when dealing with a spillage. When working with significant quantities ensure adequate ventilation.

Environmental precautions

Prevent from entering sewer system, as may cause blockage.

Methods and material for containment and cleaning up

Absorb with earth, sand or other absorbent materials. Transfer to a suitable container for removal and safe disposal.

7 Handling and storage

Precautions for safe handling

Wear eye protection, goggles or a face shield, impervious gloves and protective clothing. Avoid inhaling directly over containers. Do not heat or pressurise containers. Do not eat drink or smoke when working with these materials. Ensure that tools and equipment are kept clean, When mixing, open containers with care minimising risk of splash or spillage, pour into mixing container/ drum and mix at low speed avoiding splashing and air entrainment.

Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep away from food, drink and animal feedingstuffs. Keep containers sealed until mixing. Store at temperatures between 5 °C and 25 °C.

8 Exposure controls / personal protection

Appropriate engineering controls

Ensure adequate ventilation of the working area.

Individual protection measures

Use appropriate personal protective equipment.

Further information

During mixing: Wear glasses (EN 166), goggles or a face shield, impervious gloves and protective clothing (EN376 Index 6 480 min +) safety foot wear (EN346) .Wear respirator suitable for organic vapour/fumes (EN141 type ABEK).

During application: Wear glasses (EN 166), goggles or a face shield, impervious gloves and protective clothing (EN376 Index 6 480 min +) safety foot wear (EN346) . Apply in a well ventilated area. In cases of insufficient ventilation, suitable respiratory protection should be used, particularly when in confined spaces or where aerosols may be formed. Remove and clean or dispose of contaminated clothing.

Clean skin at the end of shifts and use appropriate cleaning materials and skin care products if required.

This document is prepared on the basis of large scale use of these materials, before reducing the level of safety equipment and precautions on the grounds of limited quantities, the user/ operator must satisfy themselves that all legal and environmental protection requirements are met and the safety of the operator is maintained at all times.

9 Physical and chemical properties

State	Liquid
Colour	Colourless
Odour	Ammoniacal
Boiling point	236
Flash point	113
Relative density	1.02 - 1.05 (Water = 1 @ 20 °C)
Solubility	Slightly miscible in water
VOC (Volatile organic compounds)	148 g/l Where VOC values are given these are calculated and are typical for the mixed product(s) covered by this data sheet.

10 Stability and reactivity

Hazardous decomposition products	No decomposition if used according to specifications. In case of a fire, carbon monoxide carbon dioxide and other harmful gases may be formed from packaging.
Further information	**Hardener:** Reacts exothermically with acids. Liberates ammonia when heated. In case of a fire, toxic fumes of nitrogen oxides, amines and carbon monoxide may be formed. Nitrogen oxide can react with water vapours to form corrosive nitric acid.

11 Toxicological information

Repeated or prolonged exposure	Repeated exposure to dust at well above the OEL level by inhalation may produce adverse effects on the lungs. When mixed the combined effect of base and hardener and any aggregate should be considered. Effects of abrasion may increase the level / impact of other materials by damaging the skin.
Further information	The amine/diamine constituents of this product are harmful / corrosive to skin and irritant to eyes, and may cause sensitization. When mixed the combined effect of base and hardener and any aggregate should be considered.

12 Ecological information

Persistence and degradability	No data is available on this product.
Mobility in soil	Do not let product contaminate subsoil.
Environmental precautions	Prevent from entering sewer system.

13 Disposal considerations

General information	The UK Environmental protection (Duty of Care) regulations and amendments should be considered. Special waste regulations may apply to the disposal of resin contaminated waste (properties H4 and H5) or contaminated materials. Contaminated packaging should be emptied as far as possible before disposal. Labels should not be removed from packaging until properly cleaned by a licensed contractor. Materials that are not resin contaminated should be treated as non hazardous industrial waste and where possible may be recycled. Do not reuse resin packaging.

14 Transport information

ADR/RID

UN	2735	**Packing group**	III
Class	8	**Hazard ID**	80
Tunnel Category	(E)		
Proper Shipping Name	AMINES, LIQUID, CORROSIVE N.O.S.		

IMDG

UN	2735	**Packing group**	III
Class	8	**Marine pollutant**	Yes
EmS Code	F-A S-B	**Environmental hazards**	Yes

IATA

UN	2735	**Packing group**	III
Class	8	**Subsidiary risk**	-
Packing Instruction (Cargo)	856	**Maximum quantity**	60 L
Packing Instruction (Passenger)	852	**Maximum quantity**	5 L

Further information

Classification for transport purposes. Where no specific information is given the material is classed as non hazardous for transport.

15 Regulatory information

Regulations/Legislation

The following regulations may apply to the materials described in this data sheet Regulation EC 1907/2006 REACH, Regulation EC 1272/2008 CPL, Regulation EC 790/2009 1 ATP CPL, Regulation EC 453/2010 Amendment to REACH, Regulation EC 121/2006 CPL Dangerous substances.

Symbols

C - Corrosive

N - Dangerous for the environment

Risk phrases

R20/22 - Harmful by inhalation and if swallowed.
R35 - Causes severe burns.
R37 - Irritating to respiratory system.
R43 - May cause sensitisation by skin contact.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S24 - Avoid contact with skin.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of.
S29 - Do not empty into drains.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16 Other information

Text of risk phrases in Section 2

R20/22 - Harmful by inhalation and if swallowed.
R22 - Harmful if swallowed.
R34 - Causes burns.
R35 - Causes severe burns.
R36/37/38 - Irritating to eyes, respiratory system and skin.
R43 - May cause sensitisation by skin contact.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 - Possible risk of impaired fertility.
R63 - Possible risk of harm to the unborn child.

General information

All the foregoing information should be regarded as being applicable to the uncured mixed product as well as to the individual components. The company operate a convention that regardless of the proportion the epoxy component is named as the base, the amine or curative component as the hardener.

This material may form part of a multi component pack, and is supplied in the correct proportions for that pack. Please check all of the product labels to ensure that the correct components and pack sizes are being used. Select and use appropriate pack sizes to minimise waste and operator exposure, do not split packs. Use in batch order.

This product/component is for use only as directed in the product data sheet and in accordance with good practice, alternative methods of application must be properly assessed before use. It is the responsibility of the user to carry out any statutory risk assessment associated with the use of this product in a given situation or environment. Due consideration should be given to the impact of the use of this product on others in the vicinity. It is the responsibility of the client to ensure that where risk assessments are being undertaken, this is being done with up to date information. The information in this safety data sheet is indicative of the product and properties and in no way constitutes a specification for sale or warrantee of product properties or fitness for specific application or purpose. This product / component may fall within the scope of the Control of substances Hazardous to Health Regulations (CoSSH), users are reminded that this document itself does not constitute an assessment under these regulations.

Training.
This product is supplied for professional use only. It is recommended that all users of these materials should ensure that they are properly trained in the operation, use and working practices associated with this class of products. This may be in the form of supervised experience, Manufacturers training or preferably nationally accredited training courses.

Materials transportation and storage
The company will make every effort to ensure that materials are shipped correctly to the required address at the required time, however it is the client's responsibility to ensure that these materials are received, safely off loaded, and properly stored prior to use, and that any materials remaining on site are removed from site by suitable transport and taken to safe storage or a properly authorised waste disposal contractor or site. The company will not accept the return of any materials regardless of state, without the prior written authorisation of a Director.

The information in this document is given in good faith based on information provided by materials manufacturers and or suppliers It is believed to be correct, but is of a general nature. Individual users may exhibit a range of reactions to materials depending on personal susceptibility, medical history and previous history of exposure to materials of a similar nature. If any doubt exists, medical advice should be sought at the earliest opportunity, failure to do so could result in long term effects or conditions developing. Companies and individuals working in this sector should make every effort to ensure that they have diverse sources of information to maintain their awareness of issues affecting health and safety within the industry.