SAFETY DATA SHEET Vinylkote

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Vinylkote

Product number

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

Identified uses Paint.

Uses advised against Keep away from food, drink and animal feeding stuffs.

1.3. Details of the supplier of the safety data sheet

Supplier

Technispray Paint Ltd

Linton House Catherine Street

Aston Birmingham B6 5RS

0121 326 8020

info@Kolorbond.co.uk

Tel. 0121 326 8020

1.4. Emergency telephone number

Emergency telephone +44(0)1213268020

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

Health hazards Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 1B - H360Df STOT SE 3 - H335, H336

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or Xi;R36/37/38. F;R11. R52/53.

1999/45/EC)

2.2. Label elements

Vinylkote

Pictogram







Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness. H360Df May damage the unborn child. Suspected of damaging fertility.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing vapour/ spray. P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/ shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label

information

RCH002a Restricted to professional users.

Contains

BUTANONE, ISOBUTYL METHYL KETONE, ETHYL ACETATE, Polyurethane Resin, BBP, Reaction Products with Triethylenetetramine

Supplementary precautionary

statements

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

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.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P302+P352 IF ON SKIN: Wash with plenty of water.

P308+P313 IF exposed or concerned: Get medical advice/ attention.

P312 Call a POISON CENTER/ doctor if you feel unwell.

P321 Specific treatment (see medical advice on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

2.3. Other hazards

None Identified

Vinylkote

SECTION 3: Composition/information on ingredients

3.2. Mixtures

BUTANONE 40-60%

CAS number: 78-93-3 EC number: 201-159-0 REACH registration number: 01-

2119457290-43-0000

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 2 - H225 F;R11 Xi;R36 R66 R67

Eye Irrit. 2 - H319 STOT SE 3 - H336

ISOBUTYL METHYL KETONE 20-40%

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Lig. 2 - H225 F;R11 Xn;R20 Xi;R36/37 R66

Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT SE 3 - H335

ETHYL ACETATE 10-20%

CAS number: 141-78-6 EC number: 205-500-4

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 2 - H225 F;R11 Xi;R36 R66 R67

Eye Irrit. 2 - H319 STOT SE 3 - H336

XYLENE 1-<3%

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-

2119488216-32-0000

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 3 - H226 R10 Xn;R20/21 Xi;R38

Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315

Polyurethane Resin 1-<3%

CAS number: 109159-24-2

Classification

Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Vinylkote

BBP 1-<3%

CAS number: 85-68-7 EC number: 201-622-7

M factor (Acute) = 1 M factor (Chronic) = 1

 Classification
 Classification (67/548/EEC or 1999/45/EC)

 Repr. 1B - H360Df
 Repr. Cat. 2;R61 Repr. Cat. 3;R62 N;R50/53

Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

ETHYLBENZENE < 1%

CAS number: 100-41-4 EC number: 202-849-4

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 2 - H225 F; R11. Xn; R20, R48/20, R65 Acute Tox. 4 - H332

STOT RE 2 - H373 Asp. Tox. 1 - H304

ISO-BUTANOL < 1%

CAS number: 78-83-1 EC number: 201-148-0

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 3 - H226 R10 Xi;R37/38,R41 R67

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336

Reaction Products with Triethylenetetramine

M factor (Acute) = 1

Classification

Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

TOLUENE <0.1%

<0.2%

CAS number: 108-88-3 EC number: 203-625-9

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 2 - H225 F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67

Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373

Asp. Tox. 1 - H304

Vinylkote

METHYL METHACRYLATE <0.1%

CAS number: 80-62-6 EC number: 201-297-1

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 2 - H225 F;R11 R43 Xi;R37/38

Skin Irrit. 2 - H315 Skin Sens. 1 - H317 STOT SE 3 - H335

Butyl Glycol <0.1%

CAS number: 111-76-2 EC number: 203-905-0

Classification Classification (67/548/EEC or 1999/45/EC)

Acute Tox. 4 - H302 Xn;R20/21/22 Xi;R36/38

Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319

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

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs, the head

should be kept low so that vomit does not enter the lungs. Get medical attention.

Skin contact Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical

attention if irritation persists after washing.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15

minutes. Get medical attention if any discomfort continues.

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

General information Effects may be delayed. Keep affected person under observation.

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

Notes for the doctorNo specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam, carbon dioxide or dry powder. Dry chemicals,

sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards Irritating gases or vapours. Protection against nuisance dust must be used when the airborne

concentration exceeds 10 mg/m3. Oxides of carbon. Oxides of nitrogen.

5.3. Advice for firefighters

Vinylkote

Protective actions during

firefighting

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing. Cool containers exposed to flames with water until well after the fire is out.

Special protective equipment

for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautionsWear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions

Spillages or uncontrolled discharges into watercourses must be reported immediately to the

Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Keep combustible materials away from spillage. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from oxidising materials, heat and flames. Store in tightly-closed, original

container in a dry, cool and well-ventilated place.

Storage class

Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm 600 mg/m³ Short-term exposure limit (15-minute): WEL 300 ppm 899 mg/m³ Sk

ISOBUTYL METHYL KETONE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 208 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 416 mg/m³ Sk

ETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm Short-term exposure limit (15-minute): WEL 400 ppm

XYLENE

Vinylkote

Long-term exposure limit (8-hour TWA): WEL 50 ppm $\,$ 220 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm $\,$ 441 mg/m³ Sk

BBP

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ Short-term exposure limit (15-minute): WEL

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³ Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³ Sk

ISO-BUTANOL

Long-term exposure limit (8-hour TWA): WEL 50 ppm 154 mg/m³ Short-term exposure limit (15-minute): WEL 75 ppm 231 mg/m³

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³ Sk

METHYL METHACRYLATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 208 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 416 mg/m³

Butyl Glycol

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³ Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³ Sk

WEL = Workplace Exposure Limit Sk = Can be absorbed through skin. Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

XYLENE (CAS: 1330-20-7)

Ingredient comments WEL = Workplace Exposure Limits

White Spirit, D40 (Benzene <0.1%, Aromatics <2%)

Ingredient comments WEL = Workplace Exposure Limits

Butyl Glycol (CAS: 111-76-2)

Ingredient comments WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment







Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.

Vinylkote

Eye/face protection Wear chemical splash goggles.

Hand protection Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Rubber

(natural, latex).

Other skin and body

protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly

remove any clothing that becomes contaminated. Use appropriate skin cream to prevent

drying of skin. When using do not eat, drink or smoke.

Respiratory protection Wear a respirator fitted with the following cartridge: Organic vapour filter.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Clear liquid.

Colour Water-white.

Odour Characteristic.

Initial boiling point and range 80°C @ 1013 hPa

Flash point -4°C CC (Closed cup).

Upper/lower flammability or

explosive limits

Lower flammable/explosive limit: 8 g/m³

Relative density 0.85 @ 23°C

Solubility(ies) Insoluble in water.

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 740 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Not determined.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition

products

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and

other toxic gases or vapours.

SECTION 11: Toxicological information

Vinylkote

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg) 45,605.31

Acute toxicity - inhalation

ATE inhalation (gases ppm) 20,078.53

ATE inhalation (vapours mg/l) 49.08

ATE inhalation (dusts/mists

mg/l)

General information Prolonged and repeated contact with solvents over a long period may lead to permanent

health problems.

Inhalation Vapours may irritate throat/respiratory system. Symptoms following overexposure may include

the following: Headache. Dizziness. Drowsiness.

Ingestion Gastrointestinal symptoms, including upset stomach.

Skin contact Liquid may irritate skin.

Eye contact Irritating to eyes. Symptoms following overexposure may include the following: Redness.

Pain.

6.69

SECTION 12: Ecological Information

Ecotoxicity Dangerous for the environment. May cause long-term adverse effects in the aquatic

environment.

12.1. Toxicity

Toxicity Avoid releasing into the environment.

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product hardens to a solid, immobile substance.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

assessment

No data available.

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site

in accordance with the requirements of the local Waste Disposal Authority.

Disposal methodsDispose of waste to licensed waste disposal site in accordance with the requirements of the

local Waste Disposal Authority.

Vinylkote

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1263 UN No. (IMDG) 1263 UN No. (ICAO) 1263 UN No. (ADN) 1263

14.2. UN proper shipping name

Proper shipping name

PAINT

3

(ADR/RID)

Proper shipping name (IMDG) PAINT
Proper shipping name (ICAO) PAINT
Proper shipping name (ADN) PAINT

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

Transport labels



ADN class

14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ADN packing group II

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 2

Emergency Action Code •3YE

Hazard Identification Number 33

(ADR/RID)

Vinylkote

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

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

EU legislation 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) (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 17/03/2017

Revision 2

Risk phrases in full R10 Flammable.

R11 Highly flammable. R20 Harmful by inhalation.

R20/21 Harmful by inhalation and in contact with skin.

R36 Irritating to eyes.

R36/37 Irritating to eyes and respiratory system.

R36/37/38 Irritating to eyes, respiratory system and skin.

R37 Irritating to respiratory system.

R37/38 Irritating to respiratory system and skin.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R45 May cause cancer.

R46 May cause heritable genetic damage.

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.

R61 May cause harm to the unborn child.

R62 Possible risk of impaired fertility.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Vinylkote

Hazard statements in full H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H360Df May damage the unborn child. Suspected of damaging fertility.

H361d Suspected of damaging the unborn child.

H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.

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.

H412 Harmful to aquatic life with long lasting effects.

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.