

PU Varnish (QD, Floor & General Purpose)

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

1.1 Product identifier

Product Name PU Varnish (QD, Floor & General Purpose)
CAS No. Not applicable.
EC No. Not applicable.
REACH Registration No. Not known.
Unique Formula Identifier (UFI) SP00-X06V-7005-P028

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

Identified Use(s) PC9a Coatings and paints, thinners, paint removers
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification Flag Paints Ltd
Address of Manufacturer 8 Springfield Road
Springfield Industrial Estate
Burnham-On-Crouch
Essex
Postal code CM0 8UA
Telephone: +441621785173
Fax +441621785393
E-mail sales@flagpaints.co.uk
Office hours 09:00 - 17:00

Supplier

Company Identification Flag Paints Ltd
Address of Supplier 8 Springfield Road
Springfield Industrial Estate
Burnham-On-Crouch
Essex
Postal code CM0 8UA
Telephone: +441621785173
Fax +441621785393
E-mail sales@flagpaints.co.uk
Office hours 09:00 - 17:00

1.4 Emergency telephone number

Emergency Phone No. +441621785173
Contact I Cowen

National response center

Address NHS Direct
Emergency Phone No. +44 111

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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Regulation (EC) No. 1272/2008 (CLP) Flam. Liq. 3 : Flammable liquid and vapour.
Asp. Tox. 1 : May be fatal if swallowed and enters airways.
STOT SE 3 : May cause drowsiness or dizziness.
STOT RE 1 : Causes damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2 : Toxic to aquatic life with long lasting effects.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name Heavy Duty Elastomeric Floor Coatings

Hazard Pictogram(s)

GHS02 GHS08 GHS07 GHS09

Signal Word(s) Danger

Hazard Statement(s)

H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H336: May cause drowsiness or dizziness.
H372: Causes damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.
EUH208: Contains: (2-butanone oxime ethyl methyl ketoxime ethyl methyl ketone oxime, cobalt bis(2-ethylhexanoate)) May produce an allergic reaction.

Precautionary Statement(s)

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P273: Avoid release to the environment.
P312: Call a POISON CENTER/doctor if you feel unwell.
P331: Do NOT induce vomiting.
P370+P378: In case of fire: Use water spray, dry powder or carbon dioxide to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool.

Unique Formula Identifier (UFI) T830-30WS-E000-J7J6

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		919-446-0 01-2119458049-33-XXXX	20-50	Flam. Liq. 3 H226 Asp. Tox. 1 H304 STOT SE 3 H336 STOT RE 1 H372 Aquatic Chronic 2 H411	GHS02 GHS08 GHS07 GHS09

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Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics		918-481-9 01-2119457273-39	1 - 10%	Asp. Tox. 1 H304	GHS08
cobalt bis(2-ethylhexanoate)	136-52-7	205-250-6 01-2119524678-29	0.1 - 2%	Flam. Liq. 3 H226 Acute Tox. 4 H302 Skin Sens. 1 H317 Resp. Sens. 1 H334 STOT SE 3 H336	GHS02 GHS08 GHS07
2-butanone oxime ethyl methyl ketoxime ethyl methyl ketone oxime	96-29-7	202-496-6 01-2119539477-28	0.1 - 2%	Acute Tox. 4 H312 Skin Sens. 1 H317 Eye Dam. 1 H318 Carc. 2 H351	GHS05 GHS08 GHS07

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
cobalt bis(2-ethylhexanoate)	136-52-7			Acute Tox. 4 (H302) :500.000
2-butanone oxime ethyl methyl ketoxime ethyl methyl ketone oxime	96-29-7			Acute Tox. 4 (H312) :1100.000

Contains no non-classified vPvB substances.

Contains a non-classified substance with a Union workplace exposure limit. (2-methoxymethylethoxy) propanol (34590-94-8) Titanium dioxide total inhalable (13463-67-7)

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water. Get medical advice/attention if you feel unwell.
Eye Contact	Get medical advice/attention if you feel unwell.
Ingestion	Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	Use water spray, dry powder or carbon dioxide to extinguish.
Unsuitable extinguishing media	Water jet spray

5.2 Special hazards arising from the substance or mixture

Flammable liquid and vapour. Combustion or thermal decomposition will evolve toxic and irritant vapours.

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5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

PC9a Coatings and paints, thinners, paint removers

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits

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SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
(2-methoxymethylethoxy) propanol	34590-94-8	50	308			Sk
Titanium dioxide total inhalable	13463-67-7		10			
Titanium dioxide respirable	13463-67-7		4			

Region	Source
United Kingdom	UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark	Notes
Sk	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	coloured
Odour	Aromatic odour.
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	200
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	38 °C
Auto-ignition temperature	200
Decomposition Temperature	Not known.

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pH	Not known.
Kinematic Viscosity	
Solubility	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Density (g/ml) : 1.2
Relative vapour density	Not known.
Particle characteristics	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Avoid friction, sparks, or other means of ignition.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 71942.45000
Acute toxicity - Skin Contact	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 666666.69000
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Not classified.
Serious eye damage/irritation	Calculation method : Not classified.
Skin sensitization data	Calculation method : Not classified.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.

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Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Not classified
STOT - single exposure	Calculation method : May cause drowsiness or dizziness.
STOT - repeated exposure	Calculation method : Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Calculation method : May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

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13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

UN No. 1263

14.2 UN proper shipping name

UN proper shipping name PAINT RELATED MATERIAL

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class	3
ADR Classification Code	F1
Special Provisions	163 367 650
Limited Quantities	5 L
Excepted Quantities	E1
Emergency Action Code	•3Y
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Mixed Packing Instructions for Packages	MP19
Packing Instructions for Portable Tanks	T2
Special Provisions for Portable Tanks	TP1 TP29
Tank Code for Tanks	LGBF
Special Provisions for Tanks	
Vehicle for Tank Carriage	FL
ADR Transport Category	3
Tunnel Restriction Code	D/E
Special Provisions for Carriage - Packages	V12
Special Provisions for Carriage - Bulk	
Special Provisions for Carriage - Loading, Unloading and Handling	
Special Provisions for Carriage - Operation	S2
ADR HIN	30

IMDG

IMDG Class	3
Special Provisions	163 367 650
Limited Quantities	5 L

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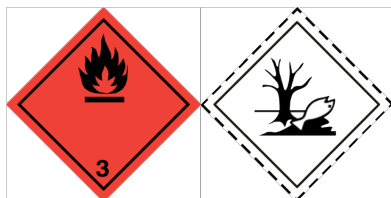
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Packing Instructions for Portable Tanks	T2
Special Provisions for Portable Tanks	TP1 TP29
IMDG EMS	F-E, S-E
Stowage and Handling	Category A
Segregation	
Marine Pollutant	

ICAO/IATA

IATA Proper Shipping Name	PAINT RELATED MATERIAL
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y344
Passenger and Cargo Aircraft Limited Quantities Max net Qty	10L
Passenger and Cargo Aircraft Packing Instructions	355
Passenger and Cargo Aircraft Max net Qty	60L
Cargo Aircraft Packing Instructions	366
Cargo Aircraft Max net Qty	220L
Special Provisions	A3, A72, A192
Emergency Response Guidebook (ERG) Code	3L

Labels

Labels	3
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14.4 Packing group

Packing group	III
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14.5 Environmental hazards

Environmental hazards	Classified as a Marine Pollutant.
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14.6 Special precautions for user

Special precautions for user	Not known.
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14.7 Maritime transport in bulk according to IMO instruments

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No information available

SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (), Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (), calcium isononanoate (53988-05-9), cobalt bis(2-ethylhexanoate) (136-52-7), calcium dipropionate (4075-81-4), 2-butanone oxime ethyl methyl ketoxime ethyl methyl ketone oxime (96-29-7)

Community Rolling Action Plan (CoRAP) 2-ethylhexanoic acid (149-57-5), Butanone oxime (96-29-7), titanium dioxide (13463-67-7)

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS02



GHS08



GHS07



GHS09

GHS05: GHS: Corrosion

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Hazard classification	<p>Flam. Liq. 3 : Flammable liquid, Category 3</p> <p>Acute Tox. 4 : Acute toxicity, Category 4</p> <p>Asp. Tox. 1 : Aspiration hazard, Category 1</p> <p>Acute Tox. 4 : Acute toxicity, Category 4</p> <p>Skin Sens. 1 : Skin sensitization, Category 1</p> <p>Eye Dam. 1 : Serious eye damage/irritation, Category 1</p> <p>Resp. Sens. 1 : Respiratory sensitization, Category 1</p> <p>STOT SE 3 : Specific target organ toxicity — single exposure, Category 3</p> <p>Carc. 2 : Carcinogenicity, Category 2</p> <p>STOT RE 1 : Specific target organ toxicity — repeated exposure, Category 1</p> <p>Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2</p>
Hazard Statement(s)	<p>H226: Flammable liquid and vapour.</p> <p>H302: Harmful if swallowed.</p> <p>H304: May be fatal if swallowed and enters airways.</p> <p>H312: Harmful in contact with skin.</p> <p>H317: May cause an allergic skin reaction.</p> <p>H318: Causes serious eye damage.</p> <p>H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H336: May cause drowsiness or dizziness.</p> <p>H351: Suspected of causing cancer.</p> <p>H372: Causes damage to organs through prolonged or repeated exposure.</p> <p>H411: Toxic to aquatic life with long lasting effects.</p>
Precautionary Statement(s)	<p>P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233: Keep container tightly closed.</p> <p>P240: Ground and bond container and receiving equipment.</p> <p>P241: Use explosion-proof electrical/ventilating/lighting/equipment.</p> <p>P242: Use non-sparking tools.</p> <p>P243: Take action to prevent static discharges.</p> <p>P260: Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P261: Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p>P264: Wash hands and exposed skin thoroughly after handling.</p> <p>P270: Do not eat, drink or smoke when using this product.</p> <p>P271: Use only outdoors or in a well-ventilated area.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.</p> <p>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312: Call a POISON CENTER/doctor if you feel unwell.</p> <p>P314: Get medical advice/attention if you feel unwell.</p> <p>P331: Do NOT induce vomiting.</p>

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

P391: Collect spillage.

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.

P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

IATA : International Air Transport Association

IBC : Intermediate Bulk Container

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

UN : United Nations

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS

Regulation (EC) No. 1272/2008 (CLP)

Disclaimers

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