

SAFETY DATA SHEET

CS30 1K Acrylic Clearcoat

Date: 21-06-2017

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SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

1.1 Product Identifier

Product name: CS30 1K Acrylic Clearcoat
Product Code: FL2009

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

Intended use: For Paint for metal.
Uses advised against: Not suitable for use in homeworquer (DIY) applications

1.3 Details of supplier of the safety data sheet

Details of company: FLP Group
Unit 1 Clayfields Industrial Estate
Tickhill Road
Doncaster
DN4 8QG
+44 (0) 1302 571571
sales@flpgroup.co.uk

1.4 Emergency telephone number

Emergency Tel: +44 (0) 1302 571571

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under CLP: Flam. Liq. 3: H226; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335-H336; STOT SE 2: H373; STOT RE 2: H412
Most important adverse effects: Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

2.2 Label elements

Hazard statements: H225 Highly flammable liquid and vapour.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
Signal words: Warning
Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark
GHS08: Health hazard



Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Contains:

Bis (1,2,2,6,6-pentamethyl-4-piperidyl)sebacate. May produce an allergic reaction.

2.3 Other hazards

Other hazards:

No other known hazards.

PBT:

This substance is not identified as a PBT substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

N-butyl acetate

CAS: 123-86-4
EINECS: 204-658-1
Reg.nr.: 01-2119485493-29
Flam. Liq. 3, H226; STOT SE 3, H336
25-50%

Acetone

CAS: 67-64-1
EINECS: 200-662-2
Reg.nr.: 01-2119471330-49
Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336
20-<25%

Xylene

CAS: 1330-20-7
EINECS: 215-535-7
Reg.nr.: 01-2119488216-32
Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335
12.5-<20%

Ethylbenzene

CAS: 100-41-4
EINECS: 202-849-4
Reg.nr.: 01-2119489370-35
Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412
3-<10%

Solvent naphtha (petroleum), light arom.

CAS: 64742-95-6
EINECS: 265-199-0
Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336
1-<2.5%

Butanone

CAS: 78-93-3
EINECS: 201-159-0
Reg.nr.: 01-2119457290-43

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Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336
1-<2.5%

Dimethyl phthalate
CAS: 131-11-3
EINECS: 205-011-6
Substance with a Community workplace exposure limit
1-<2.5%

2-methoxy-1-methylethyl acetate
CAS: 108-65-6
EINECS: 203-603-9
Reg.nr.: 01-2119475791-29
Flam. Liq. 3, H226
1-<2.5%

Bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
CAS: 41556-26-7
EINECS: 255-437-1
Reg.nr.: 01-2119491304-40
Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317
0.25-<0.3%

A mixture of branched and linear C7-C9 alkyl 3-[3-(2Hbenzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl propionates
CAS: 127519-17-9
EINECS: 407-000-3
Aquatic Chronic 2, H411
0.1-<0.3%

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact:	Remove contaminated clothing immediately and dispose of safely. After contact with skin, wash immediately with soap and plenty of water.
In case of eyes contact:	After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Protect uninjured eye.
In case of Ingestion:	Do NOT induce vomiting.
In case of Inhalation:	Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of inhalation, consult a doctor immediately and show him packing or label.

4.2 Most Important symptoms and effects, both acute and delayed

None known

4.3 Indication of any immediate medical attention and special treatment needed

In case of accident or un-wellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media: CO2, powder extinguisher, foam, water spray. Extinguishing media which must not be used for safety reasons: Water jet.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: Burning produces heavy smoke. Do not inhale explosion and/or combustion gases (carbon monoxide, carbon dioxide, oxides of nitrogen)

5.3 Advice for fire-fighters

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Advice for fire-fighters:

Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:

Remove all sources of ignition. Wear personal protection equipment. Wear breathing apparatus if exposed to vapours/dusts/aerosols. See protective measures under point 7 and 8.

6.2 Environmental precautions

Environmental precautions:

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Clean-up procedures:

Suitable material for collection: inert absorbent material (e.g. sand, vermiculite). After the product has been recovered, rinse the area and materials involved.

6.4 Reference to other sections

Reference to other sections:

See also section 8 and 13

SECTION 7: HANDLING & STORAGE

7.1 Precautions for safe handling

Handling requirements:

Avoid contact with skin and eyes, inhalation of vapours and mists. Use localized ventilation system. Don't use empty container before they have been cleaned. Before making transfer operations, assure that there aren't any incompatible material residuals in the containers. Contained clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight. Keep away from food, drink and feed. See chapter 10.5 Instructions as regards storage premises: Keep container tightly closed in a cool, well-ventilated place, away from heat.

7.3 Specific end use(s)

Specific end use(s):

See chapter 1.2.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

123-86-4 n-butyl acetate

WEL Short-term value: 966 mg/m³, 200 ppm

Long-term value: 724 mg/m³, 150 ppm

67-64-1 acetone
WEL Short-term value: 3620 mg/m³, 1500 ppm
Long-term value: 1210 mg/m³, 500 ppm

1330-20-7 xylene
WEL Short-term value: 441 mg/m³, 100 ppm
Long-term value: 220 mg/m³, 50 ppm
Sk; BMGV

100-41-4 Ethylbenzene
WEL Short-term value: 552 mg/m³, 125 ppm
Long-term value: 441 mg/m³, 100 ppm
Sk

78-93-3 butanone
WEL Short-term value: 899 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm
Sk, BMGV

131-11-3 dimethyl phthalate
WEL Short-term value: 10 mg/m³
Long-term value: 5 mg/m³

108-65-6 2-methoxy-1-methylethyl acetate
WEL Short-term value: 548 mg/m³, 100 ppm
Long-term value: 274 mg/m³, 50 ppm
Sk

Ingredients with biological limit values:

1330-20-7 xylene
BMGV 650 mmol/mol creatinine
Medium: urine
Sampling time: post shift
Parameter: methyl hippuric acid

78-93-3 butanone
BMGV 70 µmol/L
Medium: urine
Sampling time: post shift
Parameter: butan-2-one

8.2 Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Skin protection:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Hands protection:

Use protective gloves that provides comprehensive protection, e.g. NBR (nitrile rubber), FKM (fluoro rubber). The selection of suitable gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to another one, and on the manner and times of use of the mixture.

Respiratory protection:

Use adequate protective respiratory equipment.

Environmental exposure controls:

See chapter 6.2

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:

Form:

Fluid

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Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55 °C
Flash point:	< 0 °C (DIN 53213)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	370 °C (DIN 51794)
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	1.1 Vol %
Upper:	13.0 Vol %
Vapour pressure at 20 °C:	233 hPa
Density at 20 °C:	0.888 g/cm ³ (DIN 53217)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C:	13 s (DIN 53211/4)
Solvent content:	
VOC (EC)	81.34 %
Solids content (weight-%):	18.7 %

9.2 Other information

Miscibility:	not available
Conductivity:	not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity:	Stable under normal conditions
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10.2 Chemical stability

Chemical stability:	Stable under normal conditions.
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10.3 Possibilities of hazardous reactions

Hazardous reactions:	Because of heat or fire the preparation can release carbon oxides and vapours which may be harmful to health. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
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10.4 Conditions to avoid

Conditions to avoid:	Avoid to keep near heat sources
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10.5 Incompatible materials

Materials to avoid:

Avoid contact with oxidizing materials or powerful oxidising agents.
The product could catch fire. See chapter 10.3

10.6 Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly. See chapter 5.2

SECTION 11: TOXICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

1330-20-7 xylene

Oral LD50 8700 mg/kg (rat)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral LD50 >2000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rab)

Primary irritant effect:

on the skin: No irritant effect.

on the eye: Irritating effect.

Sensitisation: No sensitising effects known.

Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful. Irritant

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No further relevant information available

12.2 Persistence and degradability

No further relevant information available

12.3 Bio accumulative potential

No further relevant information available

12.4 Mobility in soil

No further relevant information available

12.5 Results of PBT and vPvB assessment

No further relevant information available

12.6 Other adverse effects

No further relevant information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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SECTION 14: TRANSPORTATION INFORMATION

14.1 UN number

UN Number: 1263

14.2 UN proper shipping name

Shipping name: PAINT or PAINT RELATED MATERIAL

14.3 Transport hazard class

Transport class: 3
ADR - Hazard identification number: 30

14.4 Packaging group

Packing group: III

14.5 Environmental hazards

Environmentally hazardous: No
Marine pollutant: No

14.6 Special precautions for user

Warning: Flammable liquids.
Danger code (Kemler): 33
EMS Number: F-E, S-E

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

Not applicable

SECTION 15: REGULATORY INFORMATION

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

Not applicable

15.2 Chemical safety assessment

Not applicable

SECTION 16: OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.
* indicates text in the SDS which has changed since the last revision.

Phrases used in section 3:

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- 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.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.

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Legal disclaimer:

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.
The above information is believed to be correct but does not support to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.