

Safety data sheet

According to 1907/2006/EC, Article 31

Printing date 18.05.2017

Revision: 16.05.2017

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

- **1.1 Product identifier** For professional use only
- **Trade name:** Paragon Paints Enamel
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** Surface Coating
- **Application of the substance / the mixture**
Surface Coating
Synthetic Topcoat
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**
Stationary Engine Parts Ltd T/A Paragon Paints
Wheldrake Lane YORK. YO41 4AZ
UNITED KINGDOM
TEL: +44 (0)1904 607584
EMAIL: info@paragonpaints.co.uk
- **Further information obtainable from:** info@paragonpaints.co.uk
- **1.4 Emergency telephone number:** +44 (0)1904 607584 (Business hours)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 3	H226 Flammable liquid and vapour.
STOT SE 3	H336 May cause drowsiness or dizziness.
STOT RE 1	H372 Causes damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labeled according to the CLP regulation.
- **Hazard pictograms**



- **Signal word** Danger
- **Hazard-determining components of labelling:**
Hydrocarbons C9-12 N-Alkanes, Isoalkanes Cyclic Aromatics (2-25%)
Naphtha (petroleum), hydrosulphurized heavy; low boiling point treated naphtha
- **Hazard statements**
H226 Flammable liquid and vapour.
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.
- **Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof electrical/ventilating/lighting equipment.

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- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Additional information:**

Contains 2-butanone oxime, cobalt bis(2-ethylhexanoate), phthalic anhydride. May produce an allergic reaction.

• **2.3 Other hazards**

• **Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

• **3.2 Chemical characterisation: Mixtures**

• **Description:** Mixture of substances listed below with nonhazardous additions.

• **Dangerous components:**

EC number: 919-446-0	Hydrocarbons C9-12 N-Alkanes, Isoalkanes Cyclic Aromatics (2-25%) <div> ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 1, H372; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336 </div>	25-50%
CAS: 64742-88-7 EINECS: 265-191-7	Solvent naphtha (petroleum), medium aliph. <div> ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 1, H372; Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H336 </div>	2.5-10%
CAS: 1330-20-7 EINECS: 215-535-7	Xylene (mix) <div> ⚠ 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 </div>	≤ 2.5%
CAS: 96-29-7 EINECS: 202-496-6	2-butanone oxime <div> ⚠ Carc. 2, H351; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H312; Skin Sens. 1, H317 </div>	≤ 2.5%
CAS: 136-52-7 EINECS: 205-250-6	cobalt bis(2-ethylhexanoate) <div> ⚠ Repr. 2, H361f; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317 </div>	≤ 2.5%
CAS: 85-44-9 EINECS: 201-607-5	phthalic anhydride <div> ⚠ Resp. Sens. 1, H334; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335 </div>	≤ 2.5%

• **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

• **4.1 Description of first aid measures**

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **After skin contact:**

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.

• **After eye contact:**

Hold the eye open and rinse with (preferably) luke warm water for a sufficiently long period of time (at least 10 minutes). Contact a doctor or ophthalmologist.

• **After swallowing:**

DO NOT induce the patient to vomit, medical advice is required.

Do not induce vomiting; call for medical help immediately and show safety datasheet or label.

• **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Prevent seepage into sewage system, workpits and cellars.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Keep receptacles tightly sealed.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed and in a well-ventilated place.
Keep away from heat.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

1330-20-7 Xylene (mix)

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

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96-29-7 2-butanone oxime		
OEL	Long-term value: 1 mg/m³, 0.3 ppm	
136-52-7 cobalt bis(2-ethylhexanoate)		
WEL	Long-term value: 0.1 mg/m³ as Co; Carc, Sen	
· DNELs		
Hydrocarbons C9-12 N-Alkanes, Isoalkanes Cyclic Aromatics (2-25%)		
Oral	DNEL	26 mg/day (Con)
Dermal	DNEL	26 mg/day (Con) 44 mg/day (Ind)
Inhalative	DNEL	71 mg/m³ (Con) 330 mg/m³ (Ind)
Naphtha (petroleum), hydrosulphurized heavy; low boiling point treated naphtha		
Oral	DNEL	26 mg/day (Con)
Dermal	DNEL	26 mg/day (Con) 44 mg/day (Ind)
Inhalative	DNEL	71 mg/m³ (Con) 330 mg/m³ (Int)
1330-20-7 Xylene (mix)		
Dermal	DNEL	108 mg/day (Con) 180 mg/day (Ind)
Inhalative	DNEL	14.8 mg/m³ (Con) 77 mg/m³ (Ind)
96-29-7 2-butanone oxime		
Dermal	DNEL	0.78 mg/day (Con) 1.3 mg/day (Ind)
Inhalative	DNEL	2.7 mg/m³ (Con) 9 mg/m³ (Ind)
· PNECs		
CAS No. 1330-20-7 Xylene mixed isomers		
- Fresh water; 0.327 mg/l		
- Marine water; 0.327 mg/l		
- Intermittent release; 0.327 mg/l		
- STP; 6.58 mg/l		
- Sediment (Freshwater); 12.46 mg/kg		
- Sediment (Marinewater); 12.46 mg/kg		
- Soil; 2.31 mg/kg		
· Ingredients with biological limit values:		
1330-20-7 Xylene (mix)		
BMGV	650 mmol/mol creatinine	
	Medium: urine	
	Sampling time: post shift	
	Parameter: methyl hippuric acid	

· **Additional information:** The lists valid during the making were used as basis.· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

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- **Respiratory protection:** When spraying the product, use a respiratory protective device.
- **Protection of hands:**
When skin exposure may occur, advice should be sought from the glove supplier on appropriate types and usage times for this product.
Chemical resistant, impervious gloves such as nitrile rubber gloves should offer adequate protection; however, their effectiveness should be determined prior to use.

**Protective gloves**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**

**Tightly sealed goggles****9.1 Information on basic physical and chemical properties****General Information****Appearance:****Form:**

Liquid

Colour:

According to product specification

Odour:

Characteristic

Odour threshold:

Not determined.

pH-value:

Not determined.

Change in condition**Melting point/freezing point:**

Undetermined.

Initial boiling point and boiling range: 135 °C**Flash point:**

29 °C

Flammability (solid, gas):

Not applicable.

Ignition temperature:

>200 °C

Decomposition temperature:

Not determined.

Auto-ignition temperature:

Product is not selfigniting.

Explosive properties:

Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.

Explosion limits:**Lower:**

0.6 Vol %

Upper:

7.0 Vol %

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· Vapour pressure at 20 °C:	27 hPa
· Density at 20 °C:	1.059 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	NOT MISCIBLE
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic at 20 °C:	320 mPas
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	45.5 %
Solids content:	54.3 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products:
No dangerous decomposition products when stored and handled correctly

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

Hydrocarbons C9-12 N-Alkanes, Isoalkanes Cyclic Aromatics (2-25%)

Oral LD50 >15000 mg/kg (Rat)

Dermal LD50 >3400 mg/kg (Rab)

Inhalative LC50/4 h 13.1 mg/l (Rat)

Naphtha (petroleum), hydrosulphurized heavy; low boiling point treated naphtha

Oral LD50 >5050 mg/kg (Rat)

Inhalative LC50/4 h >13.1 mg/l (Rat)

1330-20-7 Xylene (mix)

Oral LD50 5000 mg/kg (Rat)

Dermal LD50 2000 mg/kg (rbt)

Inhalative LC50/4 h 4300 mg/l (Rat)

96-29-7 2-butanone oxime

Oral LD50 2326 mg/kg (rat)

Dermal LD50 1000 mg/kg (Rab)

200-2000 mg/kg (rat)

Inhalative LC50/4 h >4.8 mg/l (rat)

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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause drowsiness or dizziness.
- **STOT-repeated exposure**
Causes damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---------------------------------------|---|
| · 14.1 UN-Number | UN1263 |
| · ADR, IMDG, IATA | |
| · 14.2 UN proper shipping name | 1263 PAINT (not viscous), ENVIRONMENTALLY HAZARDOUS |
| · ADR | PAINT (Naphtha (petroleum), hydrodesulphurised heavy), MARINE POLLUTANT |
| · IMDG | |
| · IATA | PAINT |

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· 14.3 Transport hazard class(es) · ADR, IMDG	
 	
· Class · Label	3 Flammable liquids. 3
· IATA	
	
· Class · Label	3 Flammable liquids. 3
· 14.4 Packing group · ADR, IMDG, IATA	
III	
· 14.5 Environmental hazards:	
· Marine pollutant: · Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Category	
Warning: Flammable liquids. 30 F-E,S-E A	
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	
Not applicable.	
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ)	
5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml	
· Transport category · Tunnel restriction code	
3 D/E	
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	
5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml	
· UN "Model Regulation":	
UN 1263 PAINT (NOT VISCOUS), 3, III, ENVIRONMENTALLY HAZARDOUS	

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category
E2 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS

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- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3,48

- **National regulations:**

- **Technical instructions (air):**

Class	Share in %
I	0.4
NK	45.5

- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

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.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H351 Suspected of causing cancer.
 H361f Suspected of damaging fertility.
 H372 Causes damage to 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.
 H411 Toxic to aquatic life with long lasting effects.

- **Department issuing SDS:** Product safety department: **LABORATORY**

- **Contact:** Health & Safety Officer

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 ICAO: International Civil Aviation Organisation
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2**Resp. Sens. 1: Respiratory sensitisation – Category 1**Skin Sens. 1: Skin sensitisation – Category 1**Carc. 2: Carcinogenicity – Category 2**Repr. 2: Reproductive toxicity – Category 2**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1**STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2**Asp. Tox. 1: Aspiration hazard – Category 1**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1**Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*

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