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### Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.04.2023 Version number: 1.00 Revision: 29.11.2022

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

- · 1.1 Product identifier For Industrial and professional use only.
- · Trade name: UB126 SPS Gloss Neutral Binder
- · Article number: 10611
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against Surface Coating
- · Application of the substance / the mixture Surface Coating
- · 1.3 Details of the supplier of the safety data sheet
- · Supplier:

HMG PAINTS LIMITED

Riverside Works,

Collyhurst Road,

Collyhurst,

Manchester,

M40 7RU

UNITED KINGDOM

TEL: +44 (0)161 205 7631 EMAIL: sales@hmgpaint.com

- · Further information obtainable from: sales@hmgpaint.com
- · 1.4 Emergency telephone number: +44 (0)161 205 7631 (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.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage. STOT SE 3 H335 May cause respiratory irritation.

STOT RE 2 H373 May cause 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 labelled according to the GB CLP regulation.

· Hazard pictograms











GHS02

GHS05

GHS07

GHS08

GHS09

- · Signal word Danger
- · Hazard-determining components of labelling:

*Xylene* (mix)

isobutanol

· Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

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H335 May cause respiratory irritation.

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

H411 Toxic to aquatic life with long lasting effects.

#### · Precautionary statements

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

*P362+P364* Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

#### · Additional information:

EUH208 Contains cobalt bis(2-ethylhexanoate), Octadecanoic acid,12-hydroxy,reaction products with ethylenediamine. 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:		
CAS: 90989-38-1 EINECS: 292-694-9 Reg.nr.: 01-2119486136-34	Xylene (mixed isomers) ♦ Flam. Liq. 3, H226; ♦ Asp. Tox. 1, H304; ♦ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	25-50%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Solvent naphtha (petroleum), light aromatic  This is a substitute of the state of t	10-25%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23-XXXX	isobutanol <b>♦</b> Flam. Liq. 3, H226; <b>♦</b> Eye Dam. 1, H318; <b>♦</b> Skin Irrit. 2, H315; STOT SE 3, H335-H336	2.5-10%
CAS: 7779-90-0 EINECS: 231-944-3 Reg.nr.: 01-2119485044-40-0000	trizinc bis(orthophosphate)  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	2.5-10%
CAS: 22464-99-9 EINECS: 245-018-1 Reg.nr.: 01-2119979088-21	2-ethylhexanoic acid, zirconium salt Repr. 2, H361d;  Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤ 2.5%
CAS: 96-29-7 EINECS: 202-496-6 Reg.nr.: 01-2119539477-28	2-butanone oxime ♠ Acute Tox. 3, H301; ♠ Carc. 1B, H350; STOT SE 1, H370; STOT RE 2, H373; ♠ Eye Dam. 1, H318; ♠ Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H336	≤ 2.5%
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy  The Flam. Liq. 3, H226; Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304	≤ 2.5%

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

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#### SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

· After skin contact:

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

- · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing:

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.
- 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

During heating or in case of fire poisonous gases are produced.

- · 5.3 Advice for firefighters
- · Protective equipment: Mount respiratory protective device.

#### SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

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).

Use neutralising agent.

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.

Ensure good ventilation/extraction at the workplace.

Prevent formation of aerosols.

Hygiene measures:

Wash hands before breaks and at the end of workday.

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· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risk of fires, all contaminated materials should be [stored in purpose-built containers or in metal containers with tight-fitting self-closing lids.] or [laid out flat in a single layer to dry] or [placed in a metal container soaked with water] or [washed out well with warm soapy water before disposal.] Contaminated materials should be removed from the workplace at the end of each working day and stored outside.

- · 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.

 $\cdot$  7.3 Specific end use(s) No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

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

Ingredient	s with l	imit values that require monitoring at the workplace:
Solvent na	phtha (	(petroleum), light aromatic
OEL Long	g-term v	value: 100 mg/m³
78-83-1 is	obutano	ol .
		value: 231 mg/m³, 75 ppm
Long	g-term v	value: 154 mg/m³, 50 ppm
DNELs		
Solvent na	phtha (	(petroleum), light aromatic
Oral	DNEL	11 mg/day (Con)
Dermal	DNEL	11 mg/day (Con)
		25 mg/day (Ind)
Inhalative	DNEL	$32 \text{ mg/m}^3 (Con)$
		150 mg/m³ (Ind)
78-83-1 is	obutano	ol .
Oral	DNEL	25 mg/day (Con)
Inhalative	DNEL	$55 \text{ mg/m}^3 (Con)$
		310 mg/m³ (Ind)
7779-90-0	trizinc	bis(orthophosphate)
Oral	DNEL	0.83 mg/day (Con)
Dermal	DNEL	83 mg/day (Con)
		83 mg/day (Ind)
Inhalative	DNEL	$2.5 \text{ mg/m}^3 \text{ (Con)}$
		$5 \text{ mg/m}^3 \text{ (Ind)}$
22464-99-	9 2-ethy	ylhexanoic acid, zirconium salt
Oral	DNEL	4.51 mg/day (Con)
Dermal	DNEL	3.25 mg/day (Con)

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Inhalative DNEL 8.13 mg/m³ (Con) 32.97 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
- · 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.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

- · Respiratory protection: When spraying the product, use a respiratory protective device.
- · Protection of hands:



Protective gloves

· Eye protection:



Tightly sealed goggles

#### SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form: Liquid
Colour: Clear
Odour: Charac

Odour: CharacteristicOdour threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point: Undetermined. Initial boiling point and boiling range: 136 °C

· Flash point: 24 °C

· Flammability (solid, gas): Flammable.

• Ignition temperature:  $> 432 \, ^{\circ}C$ 

· Decomposition temperature: Not determined.

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· 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:	0.7 Vol %
Upper:	7.5 Vol %
· Vapour pressure at 20 °C:	5 hPa
· Density at 20 °C:	1.009 g/cm³
· 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:	180 mPas
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	19.2 %
Solids content:	47.4 %
· 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	· LD/LC50 values relevant for classification:		
Solvent na	Solvent naphtha (petroleum), light aromatic		
Oral	LD50	3,492 mg/kg (rat)	
Dermal	LD50	3,160 mg/kg (Rab)	
Inhalative	LC50/4 h	>6.193 mg/l (rat)	
78-83-1 iso	78-83-1 isobutanol		
Oral	LD50	>2,000 mg/kg (Rat)	
Dermal	LD50	>2,000 mg/kg (Rab)	
7779-90-0	7779-90-0 trizinc bis(orthophosphate)		
Oral	LD50	>5,000 mg/kg (rat)	

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		(Contd. of page 6)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	>5.7 mg/l (Rat)
22464-99-9 2-ethylhexanoic acid, zirconium salt		
Oral	LD50	2,043 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	>5 mg/l (rat)

- · Primary irritant effect:
- · Skin corrosion/irritation

Causes skin irritation.

· Serious eye damage/irritation

Causes serious eye damage.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Additional toxicological information:
- · 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 respiratory irritation.

· STOT-repeated exposure

May cause 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:

Acute Fish toxicity

Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)

LC50 9.22 mg/l

Species: Oncorhynchus mykiss (rainbow trout)

Exposure duration: 96 h

Acute toxicity for daphnia

Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)

EC50 6.14 mg/l

Species: Daphnia magna (Water flea)

Exposure duration: 48 h

Acute toxicity for algae

Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)

ErC50 2.9 mg/l

Species: Pseudokirchneriella subcapitata (green algae)

Exposure duration: 72 h

Acute bacterial toxicity

Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)

EC50 1 - 10 mg/l

Ecotoxicology Assessment

Solvent naphtha (petroleum), light arom. (content of benzene less than 0,1 %)

Chronic aquatic toxicity: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Data based on the safety data sheet (SDS) by the supplier.

- · 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.

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- · Ecotoxical 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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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.

14.1 UN-Number	
· ADR, IMDG, IATA	UN1263
· 14.2 UN proper shipping name	
· ADR	1263 PAINT, ENVIRONMENTALLY HAZARDOUS
· IMDG	PAINT, MARINE POLLUTANT
· IATA	PAINT
· 14.3 Transport hazard class(es)	
· ADR, IMDG	
· Class	3 Flammable liquids.
· Label	3
· IATA	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR, IMDĞ, ÏATA	III
· 14.5 Environmental hazards:	Product contains environmentally hazardous substance trizinc bis(orthophosphate)
· Marine pollutant:	Symbol (fish and tree)

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· Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number:	<i>F-E,<u>S-E</u></i>
· Stowage Category	A
· 14.7 Transport in bulk according to Annex II o	of .
Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· UN ''Model Regulation'':	UN 1263 PAINT, 3, III, ENVIRONMENTALL
-	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

- Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations:
- · Technical instructions (air):

Class	Share in %
Ι	0.3
NK	19.2

- · 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.

· Full text of H-Statements referred to under sections 2 and 3:

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

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STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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

Asp. Tox. 1: Aspiration hazard - Category 1

(Contd. of page 9) 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. H340 May cause genetic defects. H350 May cause cancer. H361d Suspected of damaging the unborn child. H370 Causes damage to organs. 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 · Abbreviations and acronyms: ADR: Accord relatif au transport international 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 (UK REACH) PNEC: Predicted No-Effect Concentration (UK 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. 3: Acute toxicity - 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 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Skin Sens. 1: Skin sensitisation – Category 1 Muta. 1B: Germ cell mutagenicity - Category 1B Carc. 1B: Carcinogenicity - Category 1B Repr. 2: Reproductive toxicity – Category 2 STOT SE 1: Specific target organ toxicity (single exposure) - Category 1 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3