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

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	SECTION 1: Identification of the substance/mixture and of the company/undertaking			
	· 1.1 Product identifier For Industrial, professional and consumer only			
	<b>Trade name:</b> <u>1K DTM 30 Colours</u> <b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> Surface Coating <b>Application of the substance / the mixture</b> Surface Coating			
	1.3 Details of the supplier of the safety data sheet			
•	Supplier:			
	HMG PAINTS LIMITED RIVERSIDE WORKS, COLLYHURST ROAD,			
	MANCHESTER. M40 7RU			
	UNITED KINGDOM			
	TEL: +44 (0)161 205 7631			
	EMAIL: 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.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT RE 2	H373	May cause damage to the hearing organs through prolonged or repeated exposure.
Aquatic Chronic 3	H412	Harmful 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 CLP regulation.* • *Hazard pictograms* 



· Signal word Danger

• Hazard-determining components of labelling: isobutanol Xylene (mix) 1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene 2-butanone oxime

· Hazard statements

H226 Flammable liquid and vapour.

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H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H373 May cause damage to the hearing organs through prolonged or repeated exposure.
1412 Harmful 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.
2501 Dispose of contents/container in accordance with local/regional/national/international
regulations.
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: 1330-20-7	Xylene (mix)	>10- <i>≤</i> 25%
EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	<ul> <li>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</li> </ul>	
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-2119484609-23-XXXX	isobutanol ♦ Flam. Liq. 3, H226; ♦ Eye Dam. 1, H318; ♦ Skin Irrit. 2, H315; STOT SE 3, H335-H336	>2.5- <i>≤</i> 10%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226;  STOT SE 3, H336	>2.5- <b>≤</b> 10%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	ethylbenzene Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332	>1- <b>≤</b> 2.5%
ELINCS: 423-300-7 Reg.nr.: 01-0000016979-49-xxxx	1,3-bis[12-hydroxy-octadecamide-N-methylene]-benzene Skin Sens. 1, H317; Aquatic Chronic 4, H413	>1- <i>≤</i> 2.5%
CAS: 7779-90-0 EINECS: 231-944-3 Reg.nr.: 01-2119485044-40-0000	<i>trizinc bis(orthophosphate)</i> Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≤1%
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	≤1%
CAS: 96-29-7 EINECS: 202-496-6 Reg.nr.: 01-2119539477-28	2-butanone oxime ♦ Carc. 2, H351; ♦ Eye Dam. 1, H318; ♦ Acute Tox. 4, H312; Skin Sens. 1, H317	<i>≤</i> 1%

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• 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:
- Supply fresh air and call for a doctor.
- In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.
- 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.

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Prevent formation of aerosols. Hygiene measures: Wash hands before breaks and at the end of workday. 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.

· 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

1330-20-7 Xylene (mix)	
WEL Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV	
78-83-1 isobutanol	
WEL Short-term value: 231 mg/m <sup>3</sup> , 75 ppm Long-term value: 154 mg/m <sup>3</sup> , 50 ppm	
108-65-6 2-methoxy-1-methylethyl acetate	
WEL Short-term value: 548 mg/m <sup>3</sup> , 100 ppm Long-term value: 274 mg/m <sup>3</sup> , 50 ppm Sk	
100-41-4 ethylbenzene	
WEL Short-term value: 552 mg/m <sup>3</sup> , 125 ppm Long-term value: 441 mg/m <sup>3</sup> , 100 ppm Sk	
96-29-7 2-butanone oxime	
OEL Long-term value: 1 mg/m <sup>3</sup> , 0.3 ppm	
DNELs	
1330-20-7 Xylene (mix)	
Dermal DNEL 108 mg/day (Con) 180 mg/day (Ind)	
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Inhalative	DNEL	14.8 mg/m <sup>3</sup> (Con)	
		77 mg/m <sup>3</sup> (Ind)	
78-83-1 ise	obutand	l	
Oral	DNEL	25 mg/day (Con)	
Inhalative	DNEL	55 mg/m <sup>3</sup> (Con)	
		310 mg/m <sup>3</sup> (Ind)	
108-65-62	-metho	xy-1-methylethyl acetate	
Oral	DNEL	1.67 mg/day (Con)	
Dermal	DNEL	54.8 mg/day (Con)	
		153.5 mg/day (Ind)	
Inhalative	DNEL	33 mg/m <sup>3</sup> (Con)	
		$275 \text{ mg/m}^3$ (Ind)	
7779-90-0	trizinc	bis(orthophosphate)	
Oral		0.83 mg/day (Con)	
Dermal		83 mg/day (Con)	
		83 mg/day (Ind)	
Inhalative	DNEL	2.5 mg/m <sup>3</sup> (Con)	
111111111111110	DIILL	$5 \text{ mg/m}^3$ (Ind)	
96-29-7 2-	butano		
Dermal		0.78 mg/day (Con)	
200	DIIDD	1.3 mg/day (Ind)	
Inhalative	DNEL	$\frac{1.5 \text{ mg/mg}}{(Con)}$	
matanve	DINLL	$9 \text{ mg/m}^3$ (Ind)	
PNECs			
	330-20-	7 Xylene mixed isomers	
- Fresh wa			
- Marine w			
		ase; 0.327 mg/l	
- STP; 6.58 - Sediment		water); 12.46 mg/kg	
		ewater); 12.46 mg/kg	
- Soil; 2.31	mg/kg		
Ingredient	s with b	iological limit values:	
1330-20-7	Xylene	(mix)	
BMGV 65	0 mmol	/mol creatinine	
	edium: 1		
		time: post shift r: methyl hippuric acid	
	-	ation: The lists valid during the making were used as basis.	
8.2 Exposi			
		e equipment: e and hygienic measures:	
		odstuffs, beverages and feed.	
		ve all soiled and contaminated clothing	
		e breaks and at the end of work.	
		othing separately.	
Avoid cont	act with	n Ine skin.	(Contd. on page 6
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- 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

<b>SECTION 9: Physical and chemi</b>	cal properties
• 9.1 Information on basic physical and cl • General Information	hemical properties
· Appearance: Form:	I :: d
Form: Colour:	Liquid
· Odour:	According to product specification Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
-	ivoi uelermineu.
<ul> <li>Change in condition Melting point/freezing point: Initial boiling point and boiling range.</li> </ul>	Undetermined. : 108 °C
· Flash point:	24 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	500 °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:	1.1 Vol %
Upper:	7 Vol %
· Vapour pressure at 20 °C:	6.7-8.2 hPa
· Density at 20 °C:	1.247 g/cm <sup>3</sup>
· 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.

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· Viscosity: Dynamic at 20 °C:	300 mPas	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	29.7 %	
Solids content:	70.3 %	
• 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.

1330-20-	7 Xylene (m	nix)
Oral	LD50	5,000 mg/kg (Rat)
Dermal	LD50	2,000 mg/kg (rbt)
Inhalative	e LC50/4 h	11 mg/l (Rat)
78-83-1 is	sobutanol	
Oral	LD50	>2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rab)
108-65-6	2-methoxy-	-1-methylethyl acetate
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (Rat)
Inhalative	e LC50/4 h	>10.8 mg/l (Rat)
100-41-4	ethylbenzer	ne
Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rbt)
1,3-bis[12	2-hydroxy-o	octadecamide-N-methylene]-benzene
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rab)
Inhalative	e LC50/4 h	>5 mg/l (rat)
7779-90-	) trizinc bis	(orthophosphate)
Oral	LD50	>5,000 mg/kg (rat)

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	e LC50/4	h > 5.7 mg/l (Rat)	
96-29-72	2-butanon	e oxime	
Oral	LD50	2,326 mg/kg (rat)	
Dermal	LD50	1,000 mg/kg (Rab)	
		200-2,000 mg/kg (rat)	
Inhalativ	e LC50/4	h > 4.8  mg/l (rat)	
	irritant eff		
	rosion/irrit		
	kin irritatio		
Serious e	ye damaga	e/irritation	
Causes se	erious eye	damage.	
		sensitisation	
		gic skin reaction.	
		nogenity, mutagenicity and toxicity for reproduction)	
		<i>icity</i> Based on available data, the classification criteria are not met.	
		sed on available data, the classification criteria are not met.	
		ty Based on available data, the classification criteria are not met.	
	<b>U</b>	<i>ure</i> Based on available data, the classification criteria are not met.	
STOT-re			
May caus	se damage	to the hearing organs through prolonged or repeated exposure.	
May caus Aspiratio	se damage in hazard i		
May caus Aspiratio SECTIO 12.1 Tox Aquatic t 12.2 Pers 12.3 Biod 12.4 Mob Ecotoxica Remark: Additiona General to Water ha Do not al Must not Danger to	se damage n hazard I ON 12: H icity icity ioxicity: No sistence an accumulat bility in soi al effects: Harmful to al ecologic notes: zard class llow produ reach sew o drinking	to the hearing organs through prolonged or repeated exposure. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Ecological information of further relevant information available. I further relevant information available. I ho further relevant information	
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· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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Uncleaned packaging:
 Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information	
14.1 UN-Number ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name ADR IMDG, IATA	1263 PAINT RELATED MATERIAL PAINT RELATED MATERIAL
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class Label	3 Flammable liquids. 3
14.4 Packing group ADR, IMDG, IATA	111
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids. 30 F-E, <u>S-E</u> A
14.7 Transport in bulk according to Annex II o Marpol and the IBC Code	<b>f</b> 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 RELATED MATERIAL, 3, III

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**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 P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · National regulations:
- Technical instructions (air):

Class	Share in %
Ι	0.3
NK	29.7

· 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:

- 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.
- 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.
- H351 Suspected of causing cancer.
- H361d Suspected of damaging the unborn child.
- 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.
- H413 May cause long lasting harmful effects to aquatic life.

· Department issuing SDS: Product safety department: LABORATORY

• Abbreviations and acronyms:

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

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LD50: Lethal dose, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
Flam. Lig. 2: Flammable liquids – Category 2	
Flam, Liq. 3: Flammable liquids – Category 3	
Acute Tox. 4: Acute toxicity - dermal – 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	
Carc. 2: Carcinogenicity – Category 2	
Repr. 2: Reproductive toxicity – Category 2	
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3	
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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3	
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4	
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