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

Printing date 04.01.2021 Revision: 16.11.2020

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

- · 1.1 Product identifier For Industrial, professional and consumer only
- · Trade name: MDF Sealer F2071 Clear
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against Surface Coating
- · Application of the substance / the mixture

Surface Coating Surface Coating

- · 1.3 Details of the supplier of the safety data sheet
- · Supplier:

DN22 7WQ

Paintman Paint Ltd. Unit 7 Trinity Park Industrial Estate, Sloswicke Drive, Retford Nottinghamshire

- · Further information obtainable from: sales@paintman.co.uk
- · 1.4 Emergency telephone number: +44 (0) 1777 710100 (Business hours)

SECTION 2: Hazards identification

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

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- · 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





CHCO

GHS07

- · Signal word Danger
- · Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

· 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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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.

P405 Store locked up.

P501 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: 141-78-6	Ethyl Acetate	25-50%
EINECS: 205-500-4	🊸 Flam. Liq. 2, H225; ᡧ Eye Irrit. 2, H319; STOT SE 3,	
Reg.nr.: 01-2119475103-46-XXXX	H336	
CAS: 67-63-0	propan-2-ol	10-25%
EINECS: 200-661-7	♠ Flam. Liq. 2, H225; ♦ Eye Irrit. 2, H319; STOT SE 3,	
Reg.nr.: 01-2119457558-25-XXXX		
CAS: 9004-70-0	Nitrocellulose (12.3% N)	10-25%
EC number: 682-719-5	♦ Expl. 1.1, H201	
CAS: 64-17-5	ethanol	10-25%
EINECS: 200-578-6	🊸 Flam. Liq. 2, H225; ᡧ Eye Irrit. 2, H319	
Reg.nr.: 01-2119457610-43-xxxx	, , ,	
CAS: 1330-20-7	Xylene (mix)	2.5-10%
EINECS: 215-535-7	🊸 Flam. Liq. 3, H226; 🍪 STOT RE 2, H373; Asp. Tox. 1,	
Reg.nr.: 01-2119488216-32-xxxx	H304; 🔥 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit.	
	2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
CAS: 28553-12-0	di-iso nonyl phthalate	2.5-10%
EINECS: 249-079-5	substance with a Community workplace exposure limit	
Reg.nr.: 01-2119430798-28-xxxx		
CAS: 123-86-4	Butyl ethanoate	≤ 2.5%
EINECS: 204-658-1	🊸 Flam. Liq. 3, H226; ᡧ STOT SE 3, H336	
Reg.nr.: 01-2119485493-29-XXXX	· · · · · · · · · · · · · · · · · · ·	
CAS: 67-56-1	methanol	≤ 2.5%
EINECS: 200-659-6	🊸 Flam. Liq. 2, H225; 鉖 Acute Tox. 3, H301; Acute Tox. 3,	
Reg.nr.: 01-2119433307-44-xxxx	H̃311; Acute Tox. 3, H33Ĭ; 🅸 STOT SE 1, H370	

· 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
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

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

 $\cdot \textbf{4.2 Most important symptoms and effects, both acute and delayed} \ No \ further \ relevant \ information \ available.$

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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.

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.

Ensure good ventilation/extraction at the workplace.

Prevent formation of aerosols.

Hygiene measures:

Wash hands before breaks and at the end of workday.

 $\cdot \textit{Information about fire - and explosion protection:} \\$

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: Store in a cool location.
- · 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.

Store in cool, dry conditions in well sealed receptacles.

· 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.

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8.1 Contro	l paran	neters	(Contd. of pa
		imit values that require monitoring at the workplace:	
141-78-6 E			
		alue: 400 ppm	
_		alue: 200 ppm	
67-63-0 pr			
		value: 1250 mg/m³, 500 ppm alue: 999 mg/m³, 400 ppm	
64-17-5 eti		шис. эээ тут , 100 ррт	
		alue: 1920 mg/m³, 1000 ppm	
1330-20-7			
	-	value: 441 mg/m³, 100 ppm	
		alue: 220 mg/m³, 50 ppm	
	BMGV		
		nonyl phthalate alue: 5 mg/m³	
123-86-4 E			
	-	value: 966 mg/m³, 200 ppm	
		alue: 724 mg/m³, 150 ppm	
67-56-1 m	ethanol		
		value: 333 mg/m³, 250 ppm alue: 266 mg/m³, 200 ppm	
DNELs			
141-78-6 E	Ethyl Ac	etate	
		37 mg/day (Con)	
		63 mg/day (Ind)	
Inhalative	DNEL	$367 mg/m^3 (Con)$	
		$734 \text{ mg/m}^3 \text{ (Ind)}$	
67-63-0 pr			
Oral		26 mg/day (Con)	
Dermal	DNEL	319 mg/day (Con)	
T 1 1	DMEL	888 mg/day (Ind)	
Inhalative	DNEL	$89 mg/m^3 (Con)$	
64-17-5 eti	hanol	500 mg/m³ (Ind)	
04-17-3 eu Oral		87 mg/day (Con)	
Dermal		206 mg/day (Con)	
		343 mg/day (Ind)	
Inhalative	DNEL	114 mg/m³ (Con)	
		950 mg/m³ (Ind)	
1330-20-7	Xylene		
Dermal	DNEL	108 mg/day (Con)	
		180 mg/day (Ind)	
Inhalative	DNEL	$14.8 mg/m^3 (Con)$	
		$77 \text{ mg/m}^3 \text{ (Ind)}$	

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		(Contd. of page 4)	
28553-12-	0 di-iso	nonyl phthalate	
Oral	DNEL	4.4 mg/day (Con)	
Dermal	DNEL	220 mg/day (Con)	
		366 mg/day (Wor)	
Inhalative	DNEL	$15.3 \text{ mg/m}^3 \text{ (Con)}$	
		51.72 mg/m³ (Wor)	
123-86-41	123-86-4 Butyl ethanoate		
Oral	DNEL	2 mg/day (Con)	
Dermal	DNEL	6 mg/day (Con)	
		11 mg/day (Ind)	
Inhalative	DNEL	$35.7 mg/m^3 (Con)$	
		$300 \text{ mg/m}^3 \text{ (Ind)}$	
67-56-1 m	ethanol		
Oral	DNEL	8 mg/day (Con)	
Dermal	DNEL	8 mg/day (Con)	
		40 mg/day (Ind)	
Inhalative	DNEL	$50 \text{ mg/m}^3 \text{ (Con)}$	
		260 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

CAS No. 123-86-4 Butyl Acetate

Freshwater: 0.18 mg/l Marine water: 0.018 mg/l

Fresh water sediment: 0.981 mg/kg Marine sediment: 0.0981 mg/kg

Soil: 0.0903 mg/kg

STP (sewage-treatment plant): 35.6 mg/l Intermittent use/release: 0.36 mg/l

- · 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.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

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



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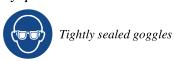
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· Eye protection:



	ical properties
· 9.1 Information on basic physical and o	chemical properties
· General Information	
· Appearance:	1::1
Form: Colour:	Liquid 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	e: 78 °C
· Flash point:	-4 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	425 °C
· Decomposition temperature:	Not determined.
\cdot Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive a vapour mixtures are possible.
· Explosion limits:	
Lower:	2.0 Vol %
Upper:	15.0 Vol %
· Vapour pressure at 20 °C:	97 hPa
· Density at 20 °C:	0.944 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:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	65.1 %
Water:	0.1 %
Solids content:	34.8 %
· 9.2 Other information	No further relevant information available.

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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

CHOMICAL		- · · · · · · · · · · · · · · · · · · ·		•	c
SECTION	$II \cdot I$	Lovicol	ooical	ากกา	tormation
DECITOR	L.L	LUNICUN	uziuui	UIU,	Ullimulou

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

		vant for classification:
141-78-6 I		
Oral	<i>LD50</i>	4,934 mg/kg (Rab)
Dermal	<i>LD50</i>	20,000 mg/kg (Rab)
Inhalative	LC50/4 h	1,600 mg/l (Rat)
67-63-0 pr	opan-2-ol	
Oral	LD50	5,840 mg/kg (Rat)
Dermal	<i>LD50</i>	13,900 mg/kg (Rab)
Inhalative	LC50/4 h	>25 mg/l (Rat)
9004-70-0 Nitrocellulose (12.3% N)		
Oral	LD50	>5,000 mg/kg (Rat)
64-17-5 ethanol		
Oral	LD50	10,470 mg/kg (Rat)
Dermal	<i>LD50</i>	15,800 mg/kg (Rat)
Inhalative	LC50/4 h	20 mg/l (rat)
1330-20-7	Xylene (m	ix)
Oral	LD50	5,000 mg/kg (Rat)
Dermal	<i>LD50</i>	2,000 mg/kg (rbt)
Inhalative	LC50/4 h	11 mg/l (Rat)
28553-12-	0 di-iso no	nyl phthalate
Oral	LD50	>10,000 mg/kg (Rat)
Dermal	<i>LD50</i>	>3,160 mg/kg (rab)
Inhalative	LC50/4 h	>4.4 mg/l (Rat)
123-86-4 I	Butyl ethan	noate
Oral	LD50	10,760 mg/kg (rat)
Dermal	<i>LD50</i>	14,112 mg/kg (Rab)
Inhalative	LC50/4 h	23.4 mg/l (Rat)
67-56-1 m	ethanol	
Oral	LD50	100 mg/kg (rat)
Dermal	<i>LD50</i>	300 mg/kg (rat)
Inhalative	1.C50// h	3 mg/l (rat)

- · Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.

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· Serious eye damage/irritation

Causes serious eye irritation.

- · 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 Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity:

Acute Fish toxicity

n-Butyl acetate

LC50 18 mg/l

Species: Pimephales promelas (fathead minnow)

Exposure duration: 96 h

Chronic Fish toxicity

n-Butyl acetate

No data available.

Acute toxicity for daphnia

n-Butyl acetate

EC50 44 mg/l

Species: Daphnia (water flea)

Exposure duration: 48 h

Chronic toxicity to daphnia

n-Butyl acetate

NOEC 23 mg/l

Species: Daphnia magna (Water flea)

Exposure duration: 21 d

Method: OECD Test Guideline 211

Acute toxicity for algae

n-Butyl acetate

EC50 675 mg/l

Species: Scenedesmus quadricauda (Green algae)

Exposure duration: 72 h

Acute bacterial toxicity

EC50 356 mg/l

Species: activated sludge

Exposure duration: 40 h

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- $\cdot \textbf{ 12.4 Mobility in soil No further relevant information available}.$
- · 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.

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- · 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	
ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name ADR	1263 PAINT (vapour pressure at 50°C not more than 11 kPa)
IMDG, IATA	PAINT
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	3 Flammable liquids.
Label	3
14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	33
EMS Number:	F-E, <u>S-E</u> B
Stowage Category	
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	f Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (\widetilde{EQ})	Code: E2
	Maximum net quantity per inner packaging: 30 ml
The same of the same	Maximum net quantity per outer packaging: 500 ml
Transport category Tunnel restriction code	2 D/E

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· IMDG · Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1263 PAINT (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 3, II

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · 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, 52a, 69
- · National regulations:
- · Technical instructions (air):

Class	Share in %
Water	0.1
I	0.4
NK	71.0

- · 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:
- H201 Explosive; mass explosion hazard.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H370 Causes damage to organs.
- H373 May cause damage to organs through prolonged or repeated exposure.
- · 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

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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

Expl. 1.1: Explosives – Division 1.1

Flam. Liq. 2: Flammable liquids - Category 2

Flam. Liq. 3: Flammable liquids — Category 3 Acute Tox. 3: Acute toxicity - oral — Category 3 Acute Tox. 4: Acute toxicity - dermal — Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

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