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

Version number 23 (replaces version 22) *Printing date* 22.07.2022 Revision: 30.03.2022 SECTION 1: Identification of the substance/mixture and of the company/undertaking · 1.1 Product identifier · Trade name: PLASTI-KOTE 1902 FLUORESCENT ORANGE 6UC 400 ML · Article number: 440.0001902.076 · 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. · Sector of Use SU21 Consumer uses: Private households / general public / consumers SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen) · Product category Paint remover · Process category PROC7 Industrial spraying **PROC11** Non industrial spraving · Application of the substance / the mixture Paint · 1.3 Details of the supplier of the safety data sheet · Manufacturer/Supplier: European Aerosols B.V. Wolfraamweg 2 NL-8471 XC Wolvega The Netherlands Tel: +31 (0)561 694400 e-mail: sds-nl@european-aerosols.com • Further information obtainable from: Department Product Safety • 1.4 Emergency telephone number: +31 (0)561-694400 (09:00h - 17:00h) UK: NPIS National Poisons Information Centre Tel: +44 0344 892 0111 IRL: Beaumont Hospital - National Poisons Information Centre: Tel: +353 1 8092566 **SECTION 2: Hazards identification** · 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008 flame Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. 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 GB CLP regulation.

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Hazard p	pictograms
$\mathbf{\Lambda}$	$\wedge$
ste	
19/	
GHS02	GHS07
GH502	00507
Signal w	ord Danger
Hazard-	determining components of labelling:
acetone	intermining components of moveming.
butanone	
Hazard s	tatements
	229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
Precauti	onary statements
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe spray.
P410+P4	412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents / container in accordance with regional regulations.
Addition	al information:
EUH066	Repeated exposure may cause skin dryness or cracking.
Buildup (	of explosive mixtures possible without sufficient ventilation.
2.3 Othe	r hazards
Results o	f PBT and vPvB assessment

- Results of PBT and vPvB assessment • PBT: Not applicable.
- **vPvB**: Not applicable.

# SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

\*

· Description: Mixture of substances listed below with nonhazardous additions.

acetone	25-<50%
<ul> <li>Flam. Liq. 2, H225</li> <li>Eye Irrit. 2, H319; STOT SE 3, H336</li> <li>EUH066</li> </ul>	
propane Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
butane (containing < 0,1 % butadiene (203-450-8)) Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
isobutane (containing < 0,1 % butadiene (203-450-8)) Flam. Gas IA, H220 Press. Gas (Comp.), H280	5-<10%
	<ul> <li>Flam. Liq. 2, H225</li> <li>Eye Irrit. 2, H319; STOT SE 3, H336</li> <li>EUH066</li> <li>propane</li> <li>Flam. Gas 1A, H220</li> <li>Press. Gas (Comp.), H280</li> <li>butane (containing &lt; 0,1 % butadiene (203-450-8))</li> <li>Flam. Gas 1A, H220</li> <li>Press. Gas (Comp.), H280</li> <li>isobutane (containing &lt; 0,1 % butadiene (203-450-8))</li> <li>isobutane (containing &lt; 0,1 % butadiene (203-450-8))</li> <li>Flam. Gas 1A, H220</li> </ul>

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		(Contd. of page 2)
CAS: 78-93-3	butanone	2.5-<5%
EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43	<ul> <li>Flam. Liq. 2, H225</li> <li>Eye Irrit. 2, H319; STOT SE 3, H336</li> <li>EUH066</li> </ul>	_
EC number: 905-588-0 Reg.nr.: 01-2119488216-32-xxxx	xylene 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	2.5-<5%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4 Reg.nr.: 01-2119489370-35	ethylbenzene Flam. Liq. 2, H225 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332 Aquatic Chronic 3, H412	<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: Generally the product does not irritate the skin.
- After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- 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** *No further relevant information available.*

#### **SECTION 5: Firefighting measures**

- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- $\cdot$  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: Mouth respiratory protective device.

#### **SECTION 6:** Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation Mount respiratory protective device. Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources.
  6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
  6.3 Methods and material for containment and cleaning up: 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.

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<sup>· 5.1</sup> Extinguishing media

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See Section 13 for disposal information.

## **SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
- Information about fire and explosion protection: Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Keep respiratory protective device available.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:
- Observe official regulations on storing packagings with pressurised containers.
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: Keep container tightly sealed.
- · Storage class: 2 B
- 7.3 Specific end use(s) No further relevant information available.

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

#### · 8.1 Control parameters

- · Ingredients with limit values that require monitoring at the workplace:
- 67-64-1 acetone
- WEL Short-term value: 3620 mg/m<sup>3</sup>, 1500 ppm Long-term value: 1210 mg/m<sup>3</sup>, 500 ppm

#### 106-97-8 butane (containing < 0,1 % butadiene (203-450-8))

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

# 78-93-3 butanone

- WEL Short-term value: 899 mg/m<sup>3</sup>, 300 ppm Long-term value: 600 mg/m<sup>3</sup>, 200 ppm Sk, BMGV
- xylene 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
- **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 Sk

# • Ingredients with biological limit values:

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

## xylene

BMGV 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

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- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as 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. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. Avoid contact with the eyes.

· Respiratory protection:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

#### Filter A2/P3

· Hand protection



Protective gloves

· Material of gloves

Butyl rubber, BR

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.

 $\cdot$  Penetration time of glove material

Butyl rubber gloves with a thickness of 0.4 mm are resistant to: Acetone: 480 min Butyl acetate: 60 min Ethyl acetate: 170 min Xylene: 42 min Butyl rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective measure, we recommend that users and responsible persons for work safety assume solvent resistance of

measure, we recommend that users and responsible persons for work safety assume solvent resistance length of 42 minutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in particular cases.

· Eye/face protection



Tightly sealed goggles

# SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties • General Information
- · Physical state
- · Colour:
- · Odour:
- · Odour threshold:
- Melting point/freezing point:
- · Boiling point or initial boiling point and boiling range
- · Flammability

Aerosol Different according to colouring Solvent-like Not determined. Undetermined.

Not applicable, as aerosol. Not applicable.

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I owar and unnar avalasion limit	(Contd. of page
Lower and upper explosion limit Lower:	1.7 Vol % (74.08.6 mon gra)
	1.7 Vol % (74-98-6 propane)
Upper:	13 Vol %(67-64-1 acetone)
Flash point:	Not applicable, as aerosol.
Ignition temperature:	$365 \ ^{\circ}C \ (689 \ ^{\circ}F) \ (106-97-8 \ butane \ (containing < 0,1))$
	butadiene (203-450-8)))
Decomposition temperature:	Not determined.
pH	Mixture is non-soluble (in water).
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 $^{\circ}C$ (68 $^{\circ}F$ ):	3500 hPa (2625.2 mm Hg)
Density and/or relative density	
Density at 20 °C (68 °F):	0.7 g/cm <sup>3</sup> (5.8 lbs/gal)
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	A 7
Form:	Aerosol
Important information on protection of health and	d
environment, and on safety.	
Explosive properties:	Not determined.
Solvent content:	
Organic solvents:	82.4 %
VOC (EC)	
	616.5 g/l
VOC-EU%	82.42 %
Solids content:	17.6 %
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard classe	S
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container:
110000	May burst if heated.
Ovidising agess	Nay burst ij nealea. Void
Oxidising gases	
Gases under pressure	Void Void
Flammable liquids	Void Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable	
gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
	Void
Organic peroxides	volu
	Void

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List II

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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.

- $\cdot$  10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

#### **SECTION 11: Toxicological information**

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· Acute toxicity	
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· LD/LC50 values relevant for classification:					
67-64-1 acetone					
Oral	LD50	5800 mg/kg (rat)			
Dermal	LD50	>15800 mg/kg (rabbit)			
Inhalative	LC50 / 4h	76 mg/l (rat)			
78-93-3 bu	78-93-3 butanone				
Oral	LD50	>2193 mg/kg (rat)			
Dermal	LD50	>5000 mg/kg (rabbit)			
Inhalative	LC50 / 4 h	34 mg/m3 (rat)			
xylene	xylene				
Oral	LD50	3523 mg/kg (rat)			
Dermal	LD50	2000 mg/kg (rabbit)			
Inhalative	LC50 / 4 h	29000 mg/m3 (rat)			
100-41-4 ethylbenzene					
Oral	LD50	3500 mg/kg (rat)			
	· Skin corrosion/irritation No irritant effect.				
•	· Serious eye damage/irritation Causes serious eye irritation.				
Respiratory or skin sensitisation No sensitising effects known.					
• <b>STOT-single exposure</b> May cause drowsiness or dizziness.					

• STOT-single exposure May cause drowsiness or dizziness.

 $\cdot$  11.2 Information on other hazards

· Endocrine disrupting properties

78-93-3 butanone

#### **SECTION 12: Ecological information**

· 12.1 Toxicity	y .
• Aquatic toxi	city:
67-64-1 acet	one
LC50/96h	8300 mg/l (fish)
EC50/96h	7200 mg/l (algae)
LC50 / 48 h	8450 mg/l (crustacean (water flea))
78-93-3 buta	none
LC50 / 48 h	308 mg/l (daphnia magna)
LC50 / 72 h	1972 mg/l (Pseudokirchneriella Subcapitata)
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LC50/96 h 2990 mg/l (fish)

#### xylene

EC50 / 48 h 7.4 mg/l (daphnia magna)

LC50 / 96 h 13.5 mg/l (fish)

- · 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.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.
- · 12.7 Other adverse effects
- $\cdot$  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.

#### **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.

Disposal must be made according to official regulations.

## **SECTION 14: Transport information** · 14.1 UN number or ID number · ADR, IMDG, IATA UN1950 · 14.2 UN proper shipping name 1950 AEROSOLS $\cdot ADR$ · IMDG AEROSOLS AEROSOLS, flammable $\cdot IATA$ · 14.3 Transport hazard class(es) · ADR · Class 2 5F Gases. · Label 2.1 · IMDG, IATA 2.1 Gases. · Class (Contd. on page 9) GB

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Label	2.1
14.4 Packing group ADR, IMDG, IATA	not regulated
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Code Segregation Code	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
14.7 Maritime transport in bulk according to IM instruments	<b>10</b> Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ) Transport category Tunnel restriction code	1L Code: E0 Not permitted as Excepted Quantity 2 D
IMDG Limited quantities (LQ) Excepted quantities (EQ)	IL Code: E0 Not permitted as Excepted Quantity Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

#### **SECTION 15: Regulatory information**

 $\cdot$  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 P3a FLAMMABLE AEROSOLS

• Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

 $\cdot \tilde{Q}$  ualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (UK ANNEX XIV)

· Regulation (EC) No 273/2004 on drug precursors

67-64-1 acetone

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#### 78-93-3 butanone

· 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

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

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.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

#### • 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 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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

*PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative* 

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

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

Eye Irrit. 2: Serious eye damage/eye irritation – 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 Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3

 $\cdot$  \* Data compared to the previous version altered.

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