

Page 1/11

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

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

- · 1.1 Product identifier
- · Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML
- · Article number: 440.0004401.076
- 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 PC9a Coatings and paints, thinners, paint removers
- Process category PROC7 Industrial spraying PROC11 Non industrial spraying
- Application of the substance / the mixture Paint
- \cdot 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: MOTIP DUPLI B.V. Wolfraamweg 2 NL-8471 XC Wolvega Nederland Tel : +31 (0)561 694400 Fax: +31 (0)561 694411 e-mail: info@nl.motipdupli.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

 \cdot 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008



H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

GHS07

Aerosol 1

Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
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.

(Contd. on page 2)

Page 2/11

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML

(Contd. of page 1) · Hazard pictograms GHS02 GHS07 · Signal word Danger · Hazard-determining components of labelling: acetone Hydrocarbons, C9, aromatics · Hazard statements H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects. · Precautionary 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+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 Dispose of contents / container in accordance with regional regulations. · Additional information: EUH066 Repeated exposure may cause skin dryness or cracking. Buildup of explosive mixtures possible without sufficient ventilation. · 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: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether	20-<25%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane 📀 Flam. Gas 1A, H220 Press. Gas (Comp.), H280	5-<10%
	•	(Contd. on page 3

Page 3/11

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML

EC number: 905-588-0	xylene	ontd. of page 5-<10%
Reg.nr.: 01-2119488216-32-xxxx		
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336	5-<10%
CAS: 7440-50-8 EINECS: 231-159-6 Reg.nr.: 01-2119480154-42-xxxx	copper Aquatic Acute 1, H400; Aquatic Chronic 2, H411 Acute Tox. 4, H302	5-<10%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane Flam. Gas IA, H220 Press. Gas (Comp.), H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane Flam. Gas 1A, H220 Press. Gas (Comp.), H280	2.5-<59
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%
CAS: 61788-45-2 EINECS: 262-976-6 Index number: 612-284-00-9	 Amines, hydrogenated tallow alkyl STOT RE 2, H373; Asp. Tox. 1, H304 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10) Skin Irrit. 2, H315 	≤0.5%

• 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.

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

· 5.1 Extinguishing media

• Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

• 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 -

(Contd. on page 4)

[·] After eye contact:

GB

Page 4/11

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML

(Contd. of page 3)

· Protective equipment: Mouth 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: 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: 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 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

• Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace	:
67-64-1 acetone	
WEL Short-term value: 3620 mg/m ³ , 1500 ppm	
Long-term value: 1210 mg/m ³ , 500 ppm	
115-10-6 dimethyl ether	
WEL Short-term value: 958 mg/m ³ , 500 ppm	
Long-term value: 766 mg/m ³ , 400 ppm	
xylene	
WEL Short-term value: 441 mg/m ³ , 100 ppm	
Long-term value: 220 mg/m ³ , 50 ppm	
Sk; BMGV	
106-97-8 butane	
WEL Short-term value: 1810 mg/m ³ , 750 ppm	
Long-term value: 1450 mg/m ³ , 600 ppm	
Carc (if more than 0.1% of buta-1.3-diene)	
1	(Contd. on page

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML

100 4	(Contd. of page
	1-4 ethylbenzene
	Short-term value: 552 mg/m ³ , 125 ppm
	Long-term value: 441 mg/m³, 100 ppm Sk
-	dients with biological limit values:
xylene	
BMG	V 650 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift Parameter: methyl hippuric acid
A dditi	ional information: The lists valid during the making were used as basis.
	•
	controls
	nal protective equipment: ral protective and hygienic measures:
	away from foodstuffs, beverages and feed.
	diately remove all soiled and contaminated clothing
Wash	hands before breaks and at the end of work.
	t inhale gases / fumes / aerosols.
	contact with the eyes and skin.
	contact with the eyes. ratory protection:
Kespu	alory 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.
	A2/P3 ction of hands:
Mark Star	Protective gloves
Mater	ial of gloves
Butyl	rubber, BR
and ve	election of the suitable gloves does not only depend on the material, but also on further marks of qual aries from manufacturer to manufacturer. ration time of glove material
Butyl Aceto	rubber gloves with a thickness of 0.4 mm are resistant to: one: 480 min
Ethyl	acetate: 60 min acetate: 170 min ne: 42 min
-	rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective
measu of 42 i	are, we recommend that users and responsible persons for work safety assume solvent resistance lengt minutes. Considering the data in section 3 of this SDS, one can assume longer resistance length in
	ular cases.
Eye p	rotection:
C	
	Tightly sealed goggles
000	

(Contd. on page 6)

Page 6/11

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML

(Contd. of page 5)

9.1 Information on basic physical and c	hemical properties
General Information	
Appearance:	
Form:	Aerosol
Colour:	According to product specification
Odour: Odour threshold:	Solvent-like Not determined.
	Not determined.
pH-value:	Noi determined.
Change in condition	Undetermined.
Melting point/freezing point: Initial boiling point and boiling range	
	Not applicable, as aerosol.
Flash point:	
Flammability (solid, gas):	Not applicable.
Ignition temperature:	240 °C (464 °F)
Decomposition temperature:	Not determined.
Explosive properties:	Not determined.
Explosion limits:	
Lower:	2.6 Vol %
Upper:	26.2 Vol %
Vapour pressure at 20 $\cdot C$ (68 $\cdot F$):	4000 hPa (3000.2 mm Hg)
Density at 20 °C (68 °F):	0.8 g/cm ³ (6.7 lbs/gal)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	83.0 %
VOC (EC)	
VOC-EU%	641.6 g/l 83.00 %
Solids content:	17.0 %
9.2 Other information	<i>No further relevant information available.</i>

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.

(Contd. on page 7)

GB

Page 7/11

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML

(Contd. of page 6)

· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

• Acute toxicity Based on available data, the classification criteria are not met.

<i>LD/LC50</i>	values releva	nt for classification:
67-64-1 ac	etone	
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15800 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)
xylene		
Oral	LD50	3523 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	29000 mg/m3 (rat)
7440-50-8	copper	·
LC50 / 48 h 0.34 mg/l (crustacean (water flea))		
	LC50 / 96 h	21 mg/l (fish)
100-41-4 е	ethylbenzene	
Oral	LD50	3500 mg/kg (rat)
Skin corro	ritant effect: sion/irritatio e damage/irr	n Based on available data, the classification criteria are not met.

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.

 $\cdot \textbf{STOT-repeated exposure} Based on available data, the classification criteria are not met.$

 \cdot Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

Aquatic toxi	city:		
67-64-1 ace	tone		
LC50/96h	8300 mg/l (fish)		
EC50/96h	7200 mg/l (algae)		
LC50 / 48 h	8450 mg/l (crustacean (water flea))		
115-10-6 dir	nethyl ether		
EC50 / 96 h	155 mg/l (algae)		
LC50 / 48 h	>4000 mg/l (daphnia magna)		
LC50 / 96 h	>4000 mg/l (fish)		
xylene	<u>.</u>		
EC50 / 48 h	7.4 mg/l (daphnia magna)		
LC50 / 96 h	13.5 mg/l (fish)		
	(Contd. on page		

- GB

Page 8/11

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

(Contd. of page 7)

Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML

7440-50-8 copper

EC50 / 48 h 0.34 mg/l (crustacean (water flea))

EC50 / 72 h 0.91 mg/l (algae)

EC50/96 h 21 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.
- · Ecotoxical effects:
- Remark: Harmful to fish
- · Additional ecological information:
- · General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground. Harmful to 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.

· European waste catalogue

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

15 01 04 metallic packaging

· Uncleaned packaging:

· Recommendation:

Disposal must be made according to official regulations.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Buildup of explosive mixtures possible without sufficient ventilation.

· 14.1 UN-Number		
· ADR, IMDG, IATA	UN1950	
· 14.2 UN proper shipping name		
$\cdot ADR$	1950 AEROSOLS	
·IMDG	AEROSOLS	
·IATA	AEROSOLS, flammable	
· 14.3 Transport hazard class(es)		
· ADR		
,		
v		

Page 9/11

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML

	(Contd. of page
Label	2.1
IMDG, IATA	
Class	2.1
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):	Warning: Gases.
EMS Number:	F-D,S-U
Stowage Code	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.
Segregation Code	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 Transport in bulk according to Annex II of Marpol and the IBC Code	J Not applicable.
Transport/Additional information:	
ADR	
ADK Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
Exception quantities (EQ)	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities $(\widetilde{E}Q)$	Code: E0
-	Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

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 P3a FLAMMABLE AEROSOLS

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

- \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

(Contd. on page 10)

GB

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML

(Contd. of page 9)

• DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· National regulations:

· Other regulations, limitations and prohibitive regulations

· Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

• 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. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. 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. H373 May cause damage to the hearing 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. H412 Harmful to aquatic life with long lasting effects. · 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) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern 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 - 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 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

(Contd. on page 11)

GB

Page 11/11

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

Printing date 11.09.2020

Version number 1

Revision: 30.08.2018

Trade name: PLASTI-KOTE® 4401 METALLIC FLAT COPPER 6UC 400 ML

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3 (Contd. of page 10)

GB