

Printing date 09/18/2015

Version number 62

Reviewed on 09/18/2015

1 Identification

· Product identifier

- · Product number KMT80
- · Trade name: KROMOPAST BLEU

• Relevant identified uses of the substance or mixture and uses advised against Paint and relative material only for wood • Application of the substance / the mixture For professional use

· Details of the supplier of the safety data sheet

- Manufacturer/Supplier: IVM Chemicals srl Viale della Stazione 3 - 27020 Parona (PV) Italy tel +39 038425441
- Information department: Environmental Health and safety office hseoffice @ivmchemicals.com
- Emergency telephone number: ChemTel Expert Assistance Hotline/SDS Fax Access by dialing 1-800-255-3924 or for International +1-813-248-0585.

2 Hazard(s) identification

· Classification of the substance or mixture



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



GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.

STOT RE 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.

GHS07

Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2A H319 Causes serious eye irritation.

· Label elements

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms



· Signal word Danger

• Hazard-determining components of labeling: xylene ethylbenzene 4-methylpentan-2-one

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Product number KMT80 **KROMOPAST BLEU** Trade name:

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 Hazard statements 	
H225 Highly flam	mable liquid and vapor.
H315 Causes skil	n irritation.
H319 Causes ser	ious eye irritation.
	of causing cancer.
•	damage to the hearing organs through prolonged or repeated exposure.
· Precautionary state	
P210	Keep away from heat/sparks/open flames/hot surfaces No smoking.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P303+P361+P35	3 IF ON SKIN (or hair): Remove/Take off immediately all contaminated
	clothing. Rinse skin with water/shower.
P305+P351+P33	8 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.
· Classification system:	·
· NFPA ratings (scale 0	
Health = 3	

· HMIS-ratings (scale 0 - 4)

-	
HEALTH *1	Health = *1
FIRE 3	1
REACTIVITY 0	Reactivity = 0

3 Composition/information on ingredients

Reactivity = 0

· Chemical characterization: Mixtures

· Description: Mixture: consisting of the following components.

n-butyl acetate	
 Flam. Liq. 3, H226 STOT SE 3, H336 	
xylene	10-12.49%
 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. 2A, H319; STOT SE 3, H335 	
2-methoxy-1-methylethyl acetate	5-9.99%
🚸 Flam. Liq. 3, H226	
ethylbenzene	2.5-4.99%
 Flam. Liq. 2, H225 Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H332 	
	 Flam. Liq. 3, H226 STOT SE 3, H336 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. 2A, H319; STOT SE 3, H335 2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226 ethylbenzene Flam. Liq. 2, H225 Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304



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108-10-1	4-methylpentan-2-one	Contd. of page 2) 2.5-4.99%
	 Flam. Liq. 2, H225 Carc. 2, H351 Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335 	
1330-20-7	xylene Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	1-2.49%

4 First-aid measures

· Description of first aid measures

· General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

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

• After skin contact:

Take off immediately all contaminated clothing, include underwear and shoes (if necessary). Rinse thoroughly with plenty of water for at least 20 minutes and take medical advise. If medical advise is needed have products container or label at hand.

• After eye contact: Rinse opened eye for several minutes under running water.

· After swallowing: Do not induce vomiting; immediately call for medical help.

- · Information for doctor:
 - · Most important symptoms and effects, both acute and delayed
 - For symptoms and effects caused by substances, refer to Section 11.
 - Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
 - · Suitable extinguishing agents: Alcohol resistant foam, CO, powder, water spray/mist.
 - · For safety reasons unsuitable extinguishing agents:
 - Do not use a jet water stream as it may scatter and spread fire.

· Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters

Cool by spraying with water the containers to prevent product decomposition and the development of substances potentially hazardous for health and also, in the case of closed containers exposed to flames to prevent explosions.

· Protective equipment:

Hardhat with visor, fireproof clothing, suitable gloves and if necessary respiratory protective device.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources

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· Environmental precautions:

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 Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. 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 Section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents 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.
7 Handling and storage
 Handling: Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Protect against electrostatic charges. Use explosion-proof apparatus / fittings and spark-proof tools. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: Provide solvent resistant, sealed floor. Observe the label precautions, the expiration date for the use, if not indicated, is from delivery date of goods. In cases where there is no reported expiration date , it means that the product must be used within 8 months. Information about storage in one common storage facility: Not required. Further information about storage conditions: Keep receptacle tightly sealed.
8 Exposure controls/personal protection
• Additional information about design of technical systems: No further data; see item 7.
· Control parameters
• Components with limit values that require monitoring at the workplace: 123-86-4 n-butyl acetate
PEL Long-term value: 710 mg/m ³ , 150 ppm
REL Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 710 mg/m ³ , 150 ppm
TLV Short-term value: (950) NIC-712 mg/m³, (200) NIC-150 ppm Long-term value: (713) NIC-238 mg/m³, (150) NIC-50 ppm
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1330-2	20-7 xylene (Contd. of	pa
PEL	Long-term value: 435 mg/m ³ , 100 ppm	
REL	Short-term value: 655 mg/m ³ , 150 ppm	
	Long-term value: 435 mg/m ³ , 100 ppm	
TLV	Short-term value: 651 mg/m ³ , 150 ppm	
	Long-term value: 434 mg/m ³ , 100 ppm	
	BEI	
108-65	5-6 2-methoxy-1-methylethyl acetate	
	. Long-term value: 50 ppm	
	1-4 ethylbenzene	
PEL	Long-term value: 435 mg/m³, 100 ppm	
REL	Short-term value: 545 mg/m³, 125 ppm	
	Long-term value: 435 mg/m³, 100 ppm	
TLV	Long-term value: 87 mg/m ³ , 20 ppm	
400.44	BEI	
	0-1 4-methylpentan-2-one	
PEL	Long-term value: 410 mg/m ³ , 100 ppm	
REL	Short-term value: 300 mg/m ³ , 75 ppm	
TLV	Long-term value: 205 mg/m ³ , 50 ppm	
ILV	Short-term value: 307 mg/m³, 75 ppm Long-term value: 82 mg/m³, 20 ppm	
	BEI	
1330-2	20-7 xylene	
PEL	Long-term value: 435 mg/m ³ , 100 ppm	
REL	Short-term value: 655 mg/m ³ , 150 ppm	
	Long-term value: 435 mg/m ³ , 100 ppm	
TLV	Short-term value: 651 mg/m³, 150 ppm	
	Long-term value: 434 mg/m ³ , 100 ppm	
	BEI	
	· Ingredients with biological limit values:	
	20-7 xylene	
	.5 g/g creatinine	
	1edium: urine Time: end of shift	
	Parameter: Methylhippuric acids	
	1-4 ethylbenzene	
	7 g/g creatinine	
	ledium: urine	
	ime: end of shift at end of workweek	
P	Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative	e)
- M	ledium: end-exhaled air	
	ime: not critical	
P	Parameter: Ethyl benzene (semi-quantitative)	
108-10	0-1 4-methylpentan-2-one	
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BEI	1 mg/L	
	Medium: urine	
	Time: end of shift Parameter: MIBK	
	80-20-7 xylene	
BEI	1.5 g/g creatinine	
	Medium: urine	
	Time: end of shift	
	Parameter: Methylhippuric acids	
	· Additional information: The lists that	t were valid during the creation were used as basis.
· Exc	posure controls	
	Personal protective equipment:	
-	· General protective and hygienic meas	ures:
	Keep away from foodstuffs, bevera	
	Wash hands before breaks and at t	
	· Breathing equipment:	
		llution use respiratory filter device. In case of intensive or
		ptective device that is independent of circulating air.
	· Protection of hands:	, 0
		dation to the glove material can be given for the product.
		consideration of the penetration times, rates of diffusion
	and the degradation	······································
	0	meable and resistant to the product .
	· Material of gloves	,
		oves does not only depend on the material, but also on
		ies from manufacturer to manufacturer. As the product is
		ances, the resistance of the glove material can not be
		herefore to be checked prior to the application.
	· Penetration time of glove material	
		as to be found out by the manufacturer of the protective
	gloves and has to be observed.	, ,
	· Eye protection:	
	Tightly sealed goggles	
	_	
0 Ph	ysical and chemical propertie	s
J TI	ysical and chemical propertie	5
· Info	ormation on basic physical and che	mical properties
	General Information	
	· Appearance:	
	· Form:	Fluid
	· Color:	According to product specification
	01	Characteriatia

• Odour threshold: • pH-value:

· Odor:

Characteristic Not determined. Not determined.

· Change in condition

• Melting point/Melting range: • Boiling point/Boiling range: Undetermined.

117 °C (243 °F)

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· Flash point:	22 °C (72 °F)	
· Flammability (solid, gaseous):	Not applicable.	
· Ignition temperature:	315 °C (599 °F)	
· Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product is not explosive. However, formation explosive air/vapor mixtures are possible.	n of
• Explosion limits: • Lower: • Upper: • Vapor pressure at 20 °C (68 °F):	1.0 Vol % 10.8 Vol % 20.2 hPa (15 mm Hg)	
• Density at 20 °C (68 °F): • Relative density • Vapour density • Evaporation rate	1.071 g/cm ³ (8.937 lbs/gal) Not determined. Not determined. Not determined.	
• Solubility in / Miscibility with • Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/water):	Not determined.	
 Viscosity: Dynamic: Kinematic at 20 °C (68 °F): Oxidising properties: 	Not determined. 55 s (ISO 6 mm) N.A.	
• Solvent content: • VOC content:	39.9 % 427.4 g/l / 3.57 lb/gl	
· Solids content:	60.1 %	
· Other information (HAPS)		
1330-20-7 xylene	10-12,4	9%
100-41-4 ethylbenzene	2,5-4,99	9%
108-10-1 4-methylpentan-2-one	2,5-4,99	9%
1330-20-7 xylene	1-2,49%	6
· Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity typical of the product as indicated in the data sheet

• Chemical stability The product is stable in normal conditions of storage and use recommended • Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· Possibility of hazardous reactions

Reacts with oxidizing agents.

Vapours may form explosive mixtures with air • Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

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· Hazardous decomposition products:

in case of possible formation of combustion: Carbon monoxide and carbon dioxide

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

	LC30 vaiue	es that are relevant for classification:	
123-86-4	n-butyl ac	· · ·	
Oral	LD50	10760 mg/kg (rat/szczur/mouse/souris/Maus/ratón)	
Dermal	LD50	14000 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)	
Inhalative	LC50/4 h		
1330-20-7	xylene		
Oral	LD50	3523 mg/kg (rat/szczur/mouse/souris/Maus/ratón)	
Dermal	LD50	1701 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)	
108-65-6	2-methoxy	/-1-methylethyl acetate	
Oral	LD50	8532 mg/kg (rat/szczur/mouse/souris/Maus/ratón)	
Dermal	LD50	5001 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)	
Inhalative	LC50/4 h	35.7 mg/l (rat/szczur/mouse/souris/Maus/ratón)	
	ethylbenz		
Oral	LD50	3500 mg/kg (rat/szczur/mouse/souris/Maus/ratón)	
Dermal	LD50	15486 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)	
Inhalative	LC50/4 h		
		entan-2-one	
Oral	LD50	2080 mg/kg (rat/szczur/mouse/souris/Maus/ratón)	
Dermal	LD50	16000 mg/kg (rab)	
Inhalative	LC50/4 h	16.6 mg/l (rat/szczur/mouse/souris/Maus/ratón)	
1330-20-7	' xylene		
Oral	LD50	3523 mg/kg (rat/szczur/mouse/souris/Maus/ratón)	
Dermal	LD50	1701 mg/kg (rabbit/królik/Kaninchen/conejo/lapin)	
• c • c • Sen: • Additio Causes Causes	on the eye: sitization: nal toxicolo s skin irrita s serious e ause dama	Irritant to skin and mucous membranes. Irritating effect. No sensitizing effects known. ogical information:	
	cinogenic c	ategories	
· 1	ARC (Inter	rnational Agency for Research on Cancer)	
100-41-4	ethylbenze	ene	2E
108-10-1	4-methylp	entan-2-one	2E
	NTP (Natio	nal Toxicology Program)	
• 1			



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· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity

· Aquatic toxicity:			
123-86-4 n-butyl acetate			
EC50	648 mg/l (algae) (72 h)		
	44 mg/l (daphnia) (48 h)		
LC50 (96h)	18 mg/l (Fish)		
108-65-6 2-methoxy-1-methylethyl acetate			
EC50	1001 mg/l (algae) (72 h)		
	501 mg/l (daphnia) (48 h)		
LC50 (96h)	134 mg/l (Fish)		
100-41-4 ethylbenzene			
EC50	75 mg/l (daphnia) (48 h)		
108-10-1 4-methylpentan-2-one			
EC50	101 mg/l (daphnia) (48 h)		
LC50 (96h)	101 mg/l (Fish)		
Persistence and degradability No further relevant information available. Behavior in environmental systems: Bioaccumulative potential No further relevant information available			

· Bioaccumulative potential No further relevant information available.

· Mobility in soil No further relevant information available.

· Additional ecological information:

· General notes:

Water hazard class 2 (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.

· Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

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

Hand over to hazardous waste disposers.

Dispose of contents and container in accordance with local state and federal regulations.

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

14 Transport information		
· UN-Number · DOT	NA 1263	
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de name: KROMOPAST BLEU	
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· IMDG, IATA	UN1263
· UN proper shipping name	
·DOT	Paint
· IMDG, IATA	PAINT
 Transport hazard class(es) 	
·DOT	
FLAMMAREE LOUD	
3	
· Class	3 Flammable liquids
· Label	3
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
3	
· Class	3 Flammable liquids
· Label	3
Packing group	
· DOT, IMDG, IATA	11
Environmental hazards:	
• Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids
• Danger code (Kemler):	-
• EMS Number:	<i>F-E,<u>S-E</u></i>
 Transport in bulk according to Annex MARPOL73/78 and the IBC Code 	
	Not applicable.
Transport/Additional information:	
• Limited quantities (LQ)	5L Code: E2
\cdot Excepted quantities (EQ)	Maximum net quantity per inner packaging:
	ml
	Maximum net quantity per outer packagi
	500 ml
UN "Model Regulation":	UN1263, Paint, special provision 640H, 3, III

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

Requirements of Federal Register

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· SARA		Co	ontd. of pag	ge 10)
· Secti	on 355 (extremely hazardous substances):			
None of th	e ingredients is listed.			
· Secti	on 313 (Specific toxic chemical listings) :			
1330-20-7	xylene	10-12,49%		
100-41-4	ethylbenzene		2,5-4,9	9%
108-10-1	4-methylpentan-2-one		2,5-4,9	9%
1330-20-7	xylene		1-2,49%	6
· TSCA (Foxic Substances Control Act):			
All ingredie	ents are listed.			
· Proposi	tion 65			
· Cher	nicals known to cause cancer:			
100-41-4	ethylbenzene	*	2,5-4,9	99%
108-10-1			2,5-4,9	99%
· Cher	nicals known to cause reproductive toxicity for females:			
70657-70-	2-methoxypropyl acetate		<0.1	%
1589-47-	5 2-methoxypropanol		<0.0)1%
· Cher	nicals known to cause reproductive toxicity for males:			
None of th	e ingredients is listed.			
· Cher	nicals known to cause developmental toxicity:			
108-10-1	4-methylpentan-2-one		2,5-4,9	9%
· Carcino	genic categories			
· EPA	(Environmental Protection Agency)			
1330-20-7	xylene		10-12,4	19%
		כ	2,5-4,9	9%
108-10-1	4-methylpentan-2-one	'	2,5-4,9	9%
1330-20-7	xylene I		1-2,49	9%
· TLV	(Threshold Limit Value established by ACGIH)			
1330-20-7	xylene			A4
100-41-4	ethylbenzene			A3
1330-20-7	xylene			A4
· NIO	SH-Ca (National Institute for Occupational Safety and Health)			
	e ingredients is listed.			

· National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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.

· Department issuing SDS: IVM Chemicals Srl

· Contact: See emergency phone

· Date of preparation / last revision 09/18/2015 / 61

coatings & polymers technologies

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Abbreviations and acronyms:	
RID: Règlement international concernant le transport des marchandises dangereuses par o	chemin de fer (Regulatio
Concerning the International Transport of Dangerous Goods by Rail)	
ICAO: International Civil Aviation Organisation	
IMDG: International Maritime Code for Dangerous Goods	
DOT: US Department of Transportation	
IATA: International Air Transport Association	
ACGIH: American Conference of Governmental Industrial Hygienists	
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)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	
VOC: Volatile Organic Compounds (USA, EU)	
LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
Flam. Liq. 2: Flammable liquids, Hazard Category 2	
Flam. Liq. 3: Flammable liquids, Hazard Category 3	
Acute Tox. 4: Acute toxicity, Hazard Category 4	
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2	
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2	
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A	
Carc. 2: Carcinogenicity, Hazard Category 2	
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3	
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2 Asp. Tox. 1: Aspiration hazard, Hazard Category 1	
Sources	
Directive 1999/45/EC and following amendments	
Directive 67/548/EEC and following amendments and adjustments	
Agency ECHA web site	
INRS Fiche Toxicologique	
IARC International agency for research on cancer	
* Data compared to the previous version altered.	
Dura comparca to me provious version ancrea.	

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