

Page 1/16

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

### **1** Identification

· Product identifier

- · Trade name: P43 2K RAPID PRIMER BLACK
- · Article number: P43
- · Application of the substance / the mixture refer to the relevant Technical Data Sheet
- · Details of the supplier of the safety data sheet

• *Manufacturer/Supplier:* General Paint Co. SAL P.O. Box 7623 Beirut LEBANON info@hymax.biz

- · Information department: Product Safety Department
- Emergency telephone number: 1-800-535-5053 contract number (89244)

#### 2 Hazard(s) identification

· Classification of the substance or mixture GHS02 Flame Flammable Liquids 3 H226 Flammable liquid and vapor. GHS08 Health hazard Carcinogenicity 1B H350 May cause cancer. Toxic to Reproduction 1B H360 May damage fertility or the unborn child. Specific Target Organ Toxicity - Repeated Exposure H373 May cause damage to the hearing organs 2 through prolonged or repeated exposure. GHS07 Skin Irritation 2 H315 Causes skin irritation. · Label elements · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). (Contd. on page 2) US



# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

Trade name: P43 2K RAPID PRIMER BLACK

(Contd. of page 1) · Hazard pictograms GHS02 GHS07 GHS08 Signal word Danger · Hazard-determining components of labeling: Talc ( $Mg3H2(SiO3)\overline{4}$ ) dibutyltin dilaurate ethvlbenzene · Hazard statements Flammable liquid and vapor. Causes skin irritation. May cause cancer. May damage fertility or the unborn child. May cause damage to the hearing organs through prolonged or repeated exposure. · Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). Get medical advice/attention if you feel unwell. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. (Contd. on page 3) US

Page 2/16



# Safety Data Sheet

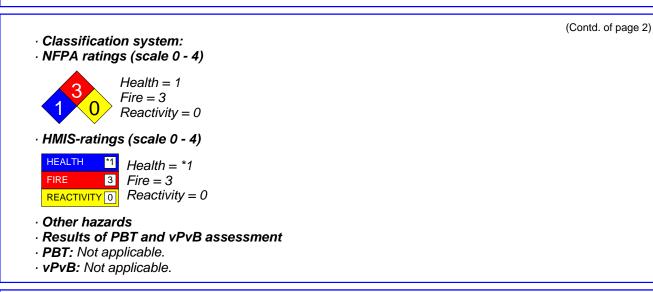
acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

Page 3/16





# 3 Composition/information on ingredients

· Chemical characterization: Mixtures

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

· Dangerous components:		
	Talc (Mg3H2(SiO3)4)	>10- <i>≤</i> 25%
1330-20-7		>10- <i>≤</i> 25%
	barium sulphate, natural	>10- <i>≤</i> 25%
1332-58-7		>10- <i>≤</i> 25%
	n-butyl acetate	>2.5- <i>≤</i> 10%
64742-95-6	Solvent naphtha (petroleum), light arom.	<i>≤</i> 2.5%
	ethylbenzene	<i>≤</i> 2.5%
77-58-7	dibutyltin dilaurate	<i>≤</i> 2.5%

#### 4 First-aid measures

#### · Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

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

· After inhalation: In case of unconsciousness place patient stably in side position for transportation.

• After skin contact: Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 4)

US



#### Page 4/16

(Contd. of page 3)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

#### Trade name: P43 2K RAPID PRIMER BLACK

- · After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- *Most important symptoms and effects, both acute and delayed* No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

# 5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. • For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

# 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
   Wear protective equipment. Keep unprotected persons away.
   Environmental precautions: 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.
   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.
- · Protective Action Criteria for Chemicals

· PAC-1:		
1330-20	7 xylene	130 ppm
7727-43	7 barium sulphate, natural	15 mg/m³
123-86	4 n-butyl acetate	5 ppm
100-41	4 ethylbenzene	33 ppm
57-55	6 Propylene glycol	30 mg/m <sup>3</sup>
	•	(Contd. on page 5

Page 5/16

# Safety Data Sheet acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

# Trade name: P43 2K RAPID PRIMER BLACK

	(0	contd. of page 4)
	silicon dioxide	18 mg/m³
64-19-7	acetic acid	5 ppm
	dibutyltin dilaurate	1.1 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
7647-01-0	hydrogen chloride	1.8 ppm
78-83-1	butanol	150 ppm
· PAC-2:		
1330-20-7	-	920* ppm
7727-43-7	barium sulphate, natural	70 mg/m³
123-86-4	n-butyl acetate 2	200 ppm
100-41-4	ethylbenzene a	100* ppm
57-55-6	Propylene glycol f	,300 mg/m³
112945-52-5	silicon dioxide a	00 mg/m³
64-19-7	acetic acid	35 ppm
77-58-7	dibutyltin dilaurate &	3 mg/m³
108-65-6	2-methoxy-1-methylethyl acetate	,000 ppm
7647-01-0	hydrogen chloride 2	2 ppm
78-83-1	butanol a	,300 ppm
· PAC-3:		
1330-20-7	xylene 2	2500* ppm
7727-43-7	barium sulphate, natural	990 mg/m³
123-86-4	n-butyl acetate 3	3000* ppm
100-41-4	ethylbenzene a	800* ppm
57-55-6	Propylene glycol 7	7,900 mg/m³
112945-52-5	silicon dioxide 6	30 mg/m³
64-19-7	acetic acid 2	250 ppm
77-58-7	dibutyltin dilaurate 4	18 mg/m³
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
7647-01-0	hydrogen chloride	00 ppm
78-83-1	butanol 8	3000* ppm

# 7 Handling and storage

- · Handling:

• **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

<sup>-</sup>US



### Page 6/16

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

#### Trade name: P43 2K RAPID PRIMER BLACK

(Contd. of page 5)

Open and handle receptacle with care. Prevent formation of aerosols.

- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
   Protect against electrostatic charges.
   Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- · Storage class: 3
- · Specific end use(s) No further relevant information available.

# 8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see section 7.

- · Control parameters
- · Components with limit values that require monitoring at the workplace:
- The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

1330	0-20-7 xylene	
PEL	Long-term value: 435 mg/m³, 100 ppm	
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm	
TLV	Long-term value: 20 ppm BEI, A4	
7727	-43-7 barium sulphate, natural	
PEL	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction	
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction	
TLV	Long-term value: 5* mg/m³ *inhalable fraction; E	
1332	-58-7 Kaolin	
PEL	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction	
		(Contd. on page



# Safety Data Sheet acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

# Trade name: P43 2K RAPID PRIMER BLACK

	(Contd. of pa
REL	Long-term value: 10* 5** mg/m <sup>3</sup>
	*total dust **respirable fraction
TLV	Long-term value: 2* mg/m <sup>3</sup>
	E; respirable particulate matter, A4
	36-4 n-butyl acetate
PEL	Long-term value: 710 mg/m³, 150 ppm
REL	Short-term value: 950 mg/m³, 200 ppm
	Long-term value: 710 mg/m³, 150 ppm
	Short-term value: 712 mg/m <sup>3</sup> , 150 ppm
	Long-term value: 238 mg/m³, 50 ppm
100-4	11-4 ethylbenzene
PEL	Long-term value: 435 mg/m³, 100 ppm
	Short-term value: 545 mg/m³, 125 ppm
	Long-term value: 435 mg/m³, 100 ppm
TLV	Long-term value: 20 ppm
	OTO, BEI, A3
	3-7 dibutyltin dilaurate
	Long-term value: 0.1 mg/m <sup>3</sup>
	as Sn
	Long-term value: 0.1 mg/m <sup>3</sup>
	as Sn, Skin
TLV	Short-term value: 0.2 mg/m <sup>3</sup>
	Long-term value: 0.1 mg/m <sup>3</sup>
	as Ŝn; A4; Skin
Ingre	dients with biological limit values:
1330	-20-7 xylene
	1.5 g/g creatinine
	Medium: urine
	Time: end of shift
	Parameter: Methylhippuric acids
	11-4 ethylbenzene
	0.15 g/g creatinine
	Medium: urine
	Time: end of shift at end of workweek
	Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)
Addi	<b>tional information:</b> The lists that were valid during the creation were used as basis. (Contd. on pa

Page 7/16



Page 8/16

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/08/2025

· Exposure controls

Reviewed on 05/08/2025

#### Trade name: P43 2K RAPID PRIMER BLACK

(Contd. of page 7)

- 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. Store protective clothing separately. Avoid contact with the skin. Avoid contact with the eyes and skin.
- · Breathing equipment:
- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- · Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

(Contd. on page 9)

# Safety Data Sheet acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

# Trade name: P43 2K RAPID PRIMER BLACK

(Contd. of page 8)

Page 9/16

Information on basic physical and	chemical properties
General Information Appearance:	
Form:	Liquid
Color:	Black
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	124 °C (255.2 °F)
Flash point:	25 °C (77 °F)
Flammability:	Flammable.
Auto igniting:	370 °C (698 °F)
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive a vapor mixtures are possible.
Explosion limits:	
Lower:	1.1 Vol %
Upper:	7 Vol %
Vapor pressure at 20 °C (68 °F):	6.7 hPa (5 mm Hg)
Density at 20 °C (68 °F):	1.465 g/cm³ (12.22543 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/wat	er): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.



Page 10/16

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

### Trade name: P43 2K RAPID PRIMER BLACK

	(Contd. o	f page 9)
· Solvent content:		
Organic solvents:	24.4 %	
Coating VOC content:	24.42 %	
-	357.7 g/l / 2.99 lb/gal	
Material VOC content:	357.7 g/l / 2.99 lb/gal	
Solids content:	75.3 %	
· Other information	No further relevant information available.	

# 10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

# 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: No irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· Carcinogenic categories

· IARC (Inter	national Agency for Research on Cancer)	
14807-96-6	Talc (Mg3H2(SiO3)4)	2A
1330-20-7	xylene	3
100-41-4	ethylbenzene	2B
7647-01-0	hydrogen chloride	3
	(Contd. on pa	0 /
		<u> </u>



Safety Data Sheet acc. to OSHA HCS

acc. to USHA HC

Printing date 05/08/2025

Reviewed on 05/08/2025

Page 11/16

(Contd. of page 10)

### Trade name: P43 2K RAPID PRIMER BLACK

· NTP (National Toxicology Program)

None of the ingredients is listed.

# · OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

#### 12 Ecological information

#### · Toxicity

- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · 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.

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

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

· UN-Number	N/A	
· DOT, ADR, IMDG, IATA	UN1263	
· UN proper shipping name	N/A	
DOT	Paint	



Page 12/16

# Safety Data Sheet acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

# Trade name: P43 2K RAPID PRIMER BLACK

	(Contd. of page 1
ADR IMDG, IATA	1263 PAINT PAINT
Transport hazard class(es)	NOT APPLICABLE
Class Label	3 Flammable liquids 3
ADR, IMDG, IATA	
Class Label	3 Flammable liquids 3
Packing group DOT, ADR, IMDG, IATA	NON APPLICABILE III
Environmental hazards: Marine pollutant:	No
Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids 30 F-E, <u>S-E</u> A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
ADR	
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
	(Contd. on page 1

Page 13/16

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

# Trade name: P43 2K RAPID PRIMER BLACK

(Contd. of page 12)

<ul> <li>IMDG</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> </ul>	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, 3, III

# 15 Regulatory information

 $\cdot$  Safety, health and environmental regulations/legislation specific for the substance or mixture  $\cdot$  Sara

7647-01-0	hydrogen chloride	
Section 31	3 (Specific toxic chemical listings):	
1330-20-7	xylene	
7727-43-7	barium sulphate, natural	
100-41-4 ethylbenzene		
7647-01-0	hydrogen chloride	
TSCA (Tox	ric Substances Control Act):	
14807-96-6	Talc (Mg3H2(SiO3)4)	ACTIV
1330-20-7	7 xylene	ACTIV
7727-43-7	barium sulphate, natural	ACTIV
1332-58-7	7 Kaolin	ACTIV
123-86-4	n-butyl acetate	ACTIV
100-41-4	t ethylbenzene	ACTIV
57-55-6	Propylene glycol	ACTIV
64-19-7	acetic acid	ACTIV
77-58-7	dibutyltin dilaurate	ACTIV
108-65-6	2-methoxy-1-methylethyl acetate	ACTIV
7647-01-0	) hydrogen chloride	ACTIV
78-83-1	butanol	ACTIV
Hazardous	Air Pollutants	
1330-20-7	xylene	
100-41-4	ethylbenzene	
7647-01-0	hydrogen chloride	



Page 14/16

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

# Trade name: P43 2K RAPID PRIMER BLACK

Chemicais	known to cause cancer:			
100-41-4 e	thylbenzene			
Chemicals	known to cause reproductive toxicity for females	:		
None of the	e ingredients is listed.			
Chemicals	known to cause reproductive toxicity for males:			
None of the	e ingredients is listed.			
Chemicals	known to cause developmental toxicity:			
None of the	e ingredients is listed.			
Carcinoge	nic categories			
-	ronmental Protection Agency)			
-			1	
1330-20-7	xyiene		1	
	barium sulphate, natural		D, CBD(inh), NL(d	oral)
7727-43-7	-		D, CBD(inh), NL(o D	oral)
7727-43-7 100-41-4	barium sulphate, natural		, , ,	oral)
7727-43-7 100-41-4 TLV (Thres	barium sulphate, natural ethylbenzene		, , ,	oral) A4
7727-43-7 100-41-4 TLV (Thres	barium sulphate, natural ethylbenzene shold Limit Value) Talc (Mg3H2(SiO3)4)		, , ,	
7727-43-7 100-41-4 <b>TLV (Thres</b> 14807-96-6	barium sulphate, natural ethylbenzene shold Limit Value) Talc (Mg3H2(SiO3)4) z xylene		, , ,	A4
7727-43-7 100-41-4 <b>TLV (Thres</b> 14807-96-6 1330-20-7 1332-58-7	barium sulphate, natural ethylbenzene shold Limit Value) Talc (Mg3H2(SiO3)4) z xylene		, , ,	A4 A4
7727-43-7 100-41-4 <b>TLV (Thres</b> 14807-96-6 1330-20-7 1332-58-7 100-41-4	barium sulphate, natural ethylbenzene shold Limit Value) Talc (Mg3H2(SiO3)4) xylene Kaolin		, , ,	A4 A4 A4

· 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:* Talc (Mg3H2(SiO3)4) dibutyltin dilaurate ethylbenzene

(Contd. on page 15)

<sup>-</sup> US



Page 15/16

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

#### Trade name: P43 2K RAPID PRIMER BLACK

(Contd. of page 14) · Hazard statements Flammable liquid and vapor. Causes skin irritation. May cause cancer. May damage fertility or the unborn child. May cause damage to the hearing organs through prolonged or repeated exposure. · Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF exposed or concerned: Get medical advice/attention. Specific treatment (see on this label). Get medical advice/attention if you feel unwell. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · National regulations: · Information about limitation of use: Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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: Product safety department
- · Contact: N/A
- · Date of preparation / last revision 05/08/2025 / 1.0

(Contd. on page 16)

US



#### Page 16/16

# Safety Data Sheet

acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

#### Trade name: P43 2K RAPID PRIMER BLACK

(Contd. of page 15) 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 DOT: US Department of Transportation IATA: International Air Transport Association 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) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety **OSHA: Occupational Safety & Health** TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit Flammable Liquids 3: Flammable liquids - Category 3 Skin Irritation 2: Skin corrosion/irritation - Category 2 Carcinogenicity 1B: Carcinogenicity - Category 1B Toxic to Reproduction 1B: Reproductive toxicity – Category 1B Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2 \* Data compared to the previous version altered. 115