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Safety Data Sheet

acc. to OSHA HCS

Printing date 07/03/2019

Reviewed on 07/01/2019

1 Identification

- · Product identifier
- · Trade name: <u>RAL9005 2K DEEP BLACK</u>
- · Article number: RAL9005
- · 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 Flam. Liq. 3 H226 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. Skin Sens. 1 H317 May cause an allergic skin reaction. · Label elements · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). (Contd. on page 2) US



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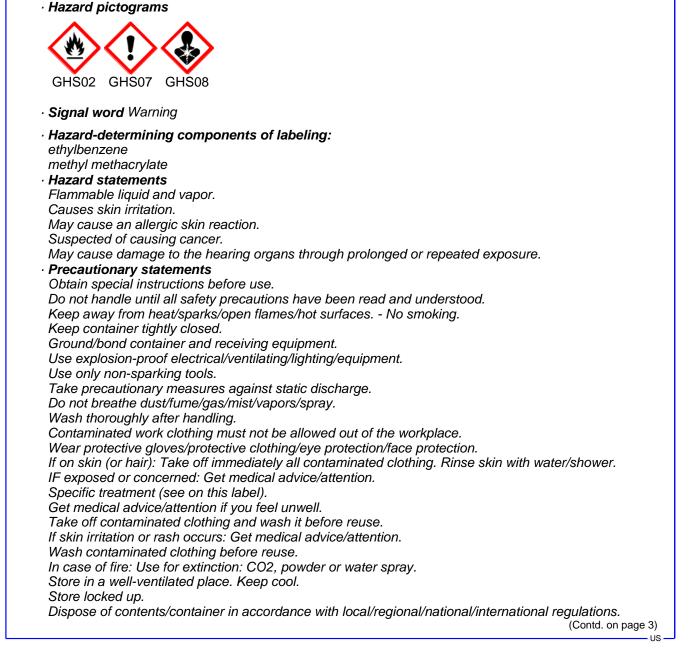
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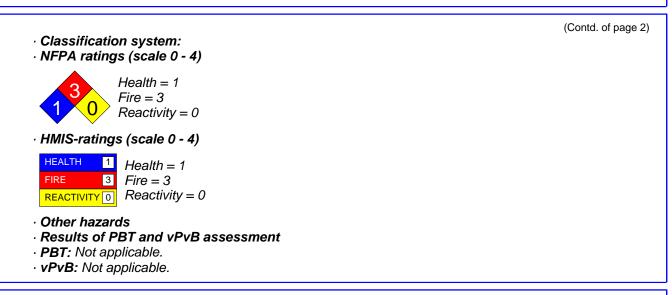
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3 Composition/information on ingredients

· Chemical characterization: Mixtures

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

· Dangerous components:		
1330-20-7	•	>25- <i>≤</i> 50%
	n-butyl acetate	>10- <i>≤</i> 25%
64742-95-6	Solvent naphtha (petroleum), light arom.	>2.5- <i>≤</i> 10%
100-41-4	ethylbenzene	>2.5- <i>≤</i> 10%
80-62-6	methyl methacrylate	<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:

Supply fresh air and to be sure call for a doctor.

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

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

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- · 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.
 Finite protection persons are provided and persons are provided and persons.
- \cdot 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 item 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	•	130 ppm
	n-butyl acetate	5 ppm
	ethylbenzene	33 ppm
80-62-6	methyl methacrylate	17 ppm
868-77-9	2-hydroxyethyl methacrylate	1.9 mg/m ³
	N-methyl-2-pyrrolidone	30 ppm
97-88-1	n-butyl methacrylate	19 mg/m ³
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77 50 7		(Contd. of page
	dibutyItin dilaurate	1.1 mg/m ⁻
7447-41-8 lithium chloride		2.3 mg/m
PAC-2:		
1330-20-7	xylene	920* ppm
123-86-4	n-butyl acetate	200 ppm
100-41-4	ethylbenzene	1100* ppn
80-62-6	methyl methacrylate	120 ppm
868-77-9	2-hydroxyethyl methacrylate	21 mg/m³
872-50-4	N-methyl-2-pyrrolidone	32 ppm
97-88-1	n-butyl methacrylate	210 mg/m
77-58-7	dibutyltin dilaurate	8 mg/m ³
7447-41-8	lithium chloride	25 mg/m³
PAC-3:		
1330-20-7	xylene	2500* ppm
123-86-4	n-butyl acetate	3000* ppm
100-41-4	ethylbenzene	1800* ppm
80-62-6	methyl methacrylate	570 ppm
868-77-9	2-hydroxyethyl methacrylate	1,000 mg/m
872-50-4	N-methyl-2-pyrrolidone	190 ppm
97-88-1	n-butyl methacrylate	1,300 mg/m
77-58-7	dibutyltin dilaurate	48 mg/m³
7447-41-8	lithium chloride	150 mg/m ³

7 Handling and storage

· Handling:

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

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- · 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 item 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 remaining constituent has no known exposure limits.

	s time, the remaining constituent has no known exposure lim	its.
1330	-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	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI	
123-8	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	
TLV	Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm	
100-4	11-4 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/m³, 20 ppm BEI	
80-62	2-6 methyl methacrylate	
PEL	Long-term value: 410 mg/m³, 100 ppm	
REL	Long-term value: 410 mg/m³, 100 ppm	
TLV	Short-term value: 410 mg/m³, 100 ppm Long-term value: 205 mg/m³, 50 ppm DSEN	
		(Contd. on page





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Inar	(Contd. of page 6 edients with biological limit values:	
1330-20-7 xylene		
	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids	
100-	-41-4 ethylbenzene	
	0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)	
	- Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)	
· Ada	itional information: The lists that were valid during the creation were used as basis.	
Was Stor Avo Avo • Bre In ca expo	rediately remove all soiled and contaminated clothing. The hands before breaks and at the end of work. The protective clothing separately. Tid contact with the skin. Tid contact with the eyes and skin. The athing equipment: The ase of brief exposure or low pollution use respiratory filter device. In case of intensive or longe to sure use respiratory protective device that is independent of circulating air. The tection of hands:	
Line .	Protective gloves	
Due prep Sele deg	glove material has to be impermeable and resistant to the product/ the substance/ the preparation to missing tests no recommendation to the glove material can be given for the product/ th paration/ the chemical mixture. action of the glove material on consideration of the penetration times, rates of diffusion and th radation erial of gloves	
The qua	selection of the suitable gloves does not only depend on the material, but also on further marks of lity and varies from manufacturer to manufacturer. As the product is a preparation of severa stances, the resistance of the glove material can not be calculated in advance and has therefore to (Contd, on page 8	

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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

Physical and chemical pro	perties
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General Information	
Appearance:	
Form: Color:	Liquid 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 (solid, gaseous):	Not applicable.
Ignition temperature:	370 °C (698 °F)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive ail vapor mixtures are possible.
Explosion limits:	
Lower:	1.1 Vol %
Upper:	7.5 Vol %
Vapor pressure at 20 °C (68 °F):	10.7 hPa (8 mm Hg)
Density at 20 °C (68 °F):	0.992 g/cm³ (8.27824 lbs/gal)
Relative density	Not determined.

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· Vapor density	Not determined.	
· Evaporation rate	Not determined.	
· 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:	50.7 %	
Coating VOC content:	50.70 %	
5	503.0 g/l / 4.20 lb/gal	
Material VOC content:	503.0 g/l / 4.20 lb/gal	
Solids content:	49.0 %	
 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 coording to encoifications

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:

· LD/LC50) values th	at are relevant for classification:	
1330-20-	7 xylene		
Oral	LD50	4,300 mg/kg (rat)	
Dermal	LD50	2,000 mg/kg (rabbit)	
64742-95	5-6 Solven	t naphtha (petroleum), light arom.	
Oral	LD50	>6,800 mg/kg (rat)	
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Dermal		>3,400 mg/kg (rab)	
Inhalative	LC50/4 h	>10.2 mg/l (rat)	
 on the eye Sensitization Additional 	in: Irritant a e: No irrita tion: Sens al toxicolog uct shows	o skin and mucous membranes.	roved calculation methods fo
· Carcinoge			
	ernational	ories Agency for Research on Cancer)	3
· IARC (Inte 1330-20-7	ernational	Agency for Research on Cancer)	-
· IARC (Inte 1330-20-7 100-41-4	ernational xylene ethylbenz	Agency for Research on Cancer)	-
· IARC (Inte 1330-20-7 100-41-4 80-62-6	ernational xylene ethylbenz methyl m	Agency for Research on Cancer)	2B
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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.

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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.

14 Transport information

· UN-Number · DOT, ADR, IMDG, IATA	UN1263	
· UN proper shipping name · DOT · ADR · IMDG, IATA	Paint 1263 PAINT PAINT	
Transport hazard class(es) DOT		
Class Label	3 Flammable liquids 3	
ADR, IMDG, IATA		
Class Label	3 Flammable liquids 3	
Packing group DOT, ADR, IMDG, IATA	<i>III</i>	
Environmental hazards: Marine pollutant:	No	
Special precautions for user	Warning: Flammable liquids	
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EMS Number:	F-E, <u>S-E</u>
Stowage Category	A
<i>Transport in bulk according to Annex</i> <i>MARPOL73/78 and the IBC Code</i>	II of 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
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	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

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

	ingredients is listed.	
Section 31	3 (Specific toxic chemical listings):	
1330-20-7	xylene	
100-41-4	ethylbenzene	
80-62-6	methyl methacrylate	
872-50-4	N-methyl-2-pyrrolidone	
TSCA (Tox	ic Substances Control Act):	
1330-20-7	xylene	ACTIVE
123-86-4	n-butyl acetate	ACTIVE
100-41-4	ethylbenzene	ACTIVE
80-62-6	methyl methacrylate	ACTIVI
000 77 0	2-hydroxyethyl methacrylate	ACTIV



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Hazard pictograms

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GHS02 GHS07 GHS08 Signal word Warning · Hazard-determining components of labeling: ethylbenzene methyl methacrylate · Hazard statements Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Suspected of causing cancer. 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. Contaminated work clothing must not be allowed out of the workplace. 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 or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use for extinction: CO2, powder or water spray. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 115

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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 07/03/2019 / -

 Abbreviations and acronvms: 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 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, ÉU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent 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 Flam. Liq. 3: Flammable liquids – Category 3 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Skin Sens. 1: Skin sensitisation - Category 1 Carc. 2: Carcinogenicity - Category 2 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2