Printing date 09/11/2019

Reviewed on 06/28/2019

1 Identification

- · Product identifier
- · Trade name: 655 RUBY RED
- · Article number: 655
- · Details of the supplier of the safety data sheet
- Manufacturer/Supplier: General Paint Co. S.A.L. P.O. Box 7623 Beirut LEBANON info@generalpaint.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.

GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction. STOT SE 3 H336 May cause drowsiness or dizziness.

· Label elements

· GHS label elements

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



- · Signal word Warning
- Hazard-determining components of labeling: n-butyl acetate methyl methacrylate 2-hydroxyethyl methacrylate

(Contd. on page 2)



Page 2/14

Safety Data Sheet acc. to OSHA HCS

Printing date 09/11/2019

Reviewed on 06/28/2019

Trade name: 655 RUBY RED

(Contd. of page 1) · Hazard statements Flammable liquid and vapor. May cause an allergic skin reaction. May cause drowsiness or dizziness. · Precautionary statements Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area. 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 INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). 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 container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · Classification system: · NFPA ratings (scale 0 - 4) Health = 0Fire = 3Reactivity = 0· HMIS-ratings (scale 0 - 4) HEALTH 0 Health = 03 FIRE Fire = 3REACTIVITY 0 Reactivity = 0· Other hazards · Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable. (Contd. on page 3)



Printing date 09/11/2019

Trade name: 655 RUBY RED

Reviewed on 06/28/2019

(Contd. of page 2)

Page 3/14

3 Composition/information on ingredients

· Chemical characterization: Mixtures

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

· Dangerous components:

•		
	n-butyl acetate	>25- <i>≤</i> 50%
1330-20-7	xylene	>2.5- <i>≤</i> 10%
108-65-6	2-methoxy-1-methylethyl acetate	>2.5- <i>≤</i> 10%
64742-95-6	Solvent naphtha (petroleum), light arom.	>2.5- <i>≤</i> 10%
80-62-6	methyl methacrylate	<i>≤</i> 2.5%
868-77-9	2-hydroxyethyl methacrylate	<i>≤</i> 2.5%

4 First-aid measures

· Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- · 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.
- 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 No further relevant information available.
- · Advice for firefighters
- · Protective equipment: No special measures required.

(Contd. on page 4)



Printing date 09/11/2019

Trade name: 655 RUBY RED

Reviewed on 06/28/2019

(Contd. of page 3)

Wear prote Environme Methods a Absorb with Dispose co Ensure ade Reference See Sectio See Sectio See Sectio	Arecautions, protective equipment and emergency proced active equipment. Keep unprotected persons away. A sental precautions: Do not allow to enter sewers/ surface or generate and material for containment and cleaning up: A liquid-binding material (sand, diatomite, acid binders, universi- ntaminated material as waste according to item 13. A equate ventilation. A to other sections In 7 for information on safe handling. In 8 for information on personal protection equipment. In 13 for disposal information. Action Criteria for Chemicals	round water.
PAC-1:		
123-86-4	n-butyl acetate	5 ppm
1330-20-7	•	130 ppm
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
80-62-6	methyl methacrylate	17 ppm
868-77-9	2-hydroxyethyl methacrylate	1.9 mg/m ⁻
97-88-1	n-butyl methacrylate	19 mg/m ³
872-50-4	N-methyl-2-pyrrolidone	30 ppm
100-41-4	ethylbenzene	33 ppm
78-83-1	butanol	150 ppm
77-58-7	dibutyltin dilaurate	1.1 mg/m
7447-41-8	lithium chloride	2.3 mg/m
PAC-2:		
123-86-4	n-butyl acetate	200 ppm
1330-20-7	xylene	920* ppm
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
80-62-6	methyl methacrylate	120 ppm
868-77-9	2-hydroxyethyl methacrylate	21 mg/m ³
97-88-1	n-butyl methacrylate	210 mg/m ³
872-50-4	N-methyl-2-pyrrolidone	32 ppm
100-41-4	ethylbenzene	1100* ppn
78-83-1	butanol	1,300 ppm
77-58-7	dibutyltin dilaurate	8 mg/m³
	lithium chloride	25 mg/m ³



- -

Printing date 09/11/2019

Reviewed on 06/28/2019

Page 5/14

Trade name: 655 RUBY RED

		(Contd. of page 4)
· PAC-3:		
123-86-4	n-butyl acetate	3000* ppm
1330-20-7	xylene	2500* ppm
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
80-62-6	methyl methacrylate	570 ppm
868-77-9	2-hydroxyethyl methacrylate	1,000 mg/m ³
97-88-1	n-butyl methacrylate	1,300 mg/m ³
872-50-4	N-methyl-2-pyrrolidone	190 ppm
100-41-4	ethylbenzene	1800* ppm
78-83-1	butanol	8000* ppm
77-58-7	dibutyltin dilaurate	48 mg/m ³
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. Prevent formation of aerosols.
- 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: 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 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 other constituents have no known exposure limits.

(Contd. on page 6)



Printing date 09/11/2019

CENERAL

Reviewed on 06/28/2019

Trade name: 655 RUBY RED

	(Contd. of page 5)
123-8	6-4 n-butyl acetate
PEL	Long-term value: 710 mg/m ³ , 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
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/m ³ , 150 ppm
	Long-term value: 434 mg/m³, 100 ppm
	BEI
	5-6 2-methoxy-1-methylethyl acetate
WEEL	Long-term value: 50 ppm
80-62 [.]	-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/m ³ , 100 ppm
	Long-term value: 205 mg/m³, 50 ppm
	DSEN
· Ingred	lients with biological limit values:
1330-2	20-7 xylene
BEI 1	.5 g/g creatinine
	1edium: urine
	ime: end of shift
	Parameter: Methylhippuric acids
· Addit	ional information: The lists that were valid during the creation were used as basis.
· Expos	sure controls
	nal protective equipment:
· Genel	ral protective and hygienic measures:
Immed	diately remove all soiled and contaminated clothing.
	hands before breaks and at the end of work.
	hing equipment:
	e of brief exposure or low pollution use respiratory filter device. In case of intensive or longe
	ure use respiratory protective device that is independent of circulating air.
· Prote	ction of hands:
(III)	
111i2	Protective gloves



Page 6/14

Page 7/14

Safety Data Sheet acc. to OSHA HCS

Printing date 09/11/2019

Reviewed on 06/28/2019

Trade name: 655 RUBY RED

(Contd. of page 6)

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

9 Physical and chemical properties

General Information	
Appearance: Form:	Fluid
Color:	According to product description
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. 124 °C (255.2 °F)
Flash point:	25 °C (77 °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 of explosive air vapor mixtures are possible.

Printing date 09/11/2019

Reviewed on 06/28/2019

Trade name: 655 RUBY RED

	(Contd. of pag
Explosion limits:	
Lower:	1.2 Vol %
Upper:	7.5 Vol %
Vapor pressure at 20 °C (68 °F):	10.7 hPa (8 mm Hg)
Density at 20 °C (68 °F):	1.00185 g/cm³ (8.36044 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/wate	er): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	45.0 %
Coating VOC content:	44.96 %
3	450.5 g/l / 3.76 lb/gal
Material VOC content:	450.5 g/l / 3.76 lb/gal
Solids content:	54.7 %
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.

(Contd. on page 9)

US



Page 8/14

Printing date 09/11/2019

ENERAL

Trade name: 655 RUBY RED

Reviewed on 06/28/2019

(Contd. of page 8)

Page 9/14

4000 00 7		at are relevant for classification:
1330-20-7 Oral	LD50	4,300 mg/kg (rat)
		2,000 mg/kg (rab)t
		haphtha (petroleum), light arom.
		>6,800 mg/kg (rat)
	LD50	>3,400 mg/kg (rab)
		>10.2 mg/l (rat)
on the ski on the eye Sensitizat Additiona The produ preparatio	e: No irrita tion: Sens Il toxicolog uct shows	ant effect.
on the ski on the eye Sensitizat Additiona The produ	in: No irrita e: No irritat tion: Sensi al toxicolog uct shows ins:	ant effect. ting effect. itization possible through skin contact. gical information: the following dangers according to internally approved calculation metho
on the ski on the eye Sensitizat Additiona The produ preparatio Irritant Carcinoge	in: No irrita e: No irritat tion: Sensi al toxicolog uct shows ns: enic categ	ant effect. ting effect. itization possible through skin contact. gical information: the following dangers according to internally approved calculation metho
on the ski on the eye Sensitizat Additiona The produ preparatio Irritant Carcinoge	in: No irrita e: No irrita tion: Sens Il toxicolog act shows ns: enic categ ernational	ant effect. ting effect. itization possible through skin contact. gical information: the following dangers according to internally approved calculation metho gories
on the ski on the eye Sensitizat Additiona The produ preparatio Irritant Carcinoge IARC (Intel 1330-20-7	in: No irrita e: No irrita tion: Sensi al toxicolog uct shows ns: enic categ ernational xylene	ant effect. ting effect. itization possible through skin contact. gical information: the following dangers according to internally approved calculation metho gories
on the ski on the eye Sensitizat Additiona The produ preparatio Irritant Carcinoge IARC (Intel 1330-20-7 80-62-6	in: No irrita e: No irrita tion: Sensi al toxicolog uct shows ns: enic categ ernational xylene	ant effect. ting effect. itization possible through skin contact. gical information: the following dangers according to internally approved calculation methor gories I Agency for Research on Cancer) methacrylate
on the ski on the eye Sensitizat Additiona The produ preparatio Irritant Carcinoge IARC (Inte 1330-20-7 80-62-6 100-41-4	in: No irrita e: No irrita tion: Sens l toxicolog act shows ns: enic categ ernational xylene methyl m ethylbenz	ant effect. ting effect. itization possible through skin contact. gical information: the following dangers according to internally approved calculation methor gories I Agency for Research on Cancer) methacrylate

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.

(Contd. on page 10)

[—] US

Printing date 09/11/2019

Trade name: 655 RUBY RED

· 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		
DOT, ADR, IMDG, IATA	UN1263	
UN proper shipping name		
DOT	Paint	
ADR	1263 PAINT	
IMDG, IATA	PAINT	
Transport hazard class(es) DOT		
Class	3 Flammable liquids	
Label	3	

Reviewed on 06/28/2019

Page 10/14

(Contd. of page 9)

Printing date 09/11/2019

Reviewed on 06/28/2019

Trade name: 655 RUBY RED

	(Contd. of page
· ADR, IMDG, IATA	
· Class	3 Flammable liquids
· Label	3
· Packing group · DOT, ADR, IMDG, IATA	<i>III</i>
· Environmental hazards: · Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
· EMS Number:	F-E, <u>S-E</u>
Stowage Category	A
 Transport in bulk according to Annex MARPOL73/78 and the IBC Code 	I I 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
· LACEPIEU QUANTILES (EQ)	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

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

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

(Contd. on page 12)

US





Page 12/14

Safety Data Sheet acc. to OSHA HCS

Printing date 09/11/2019

CENERAL

Reviewed on 06/28/2019

Trade name: 655 RUBY RED

Section 21	2 (Cracific toxic chamical listings):	(Contd. of page 1
1330-20-7	3 (Specific toxic chemical listings):	
	methyl methacrylate	
	N-methyl-2-pyrrolidone	
	ethylbenzene	
	-	
•	ic Substances Control Act):	
	n-butyl acetate	ACTIVE
1330-20-7		ACTIVE
	2-methoxy-1-methylethyl acetate	ACTIVE
	methyl methacrylate	ACTIVE
	2-hydroxyethyl methacrylate	ACTIVE
	n-butyl methacrylate	ACTIVE
136-53-8	ZINC 2-ETHYLEXANOATE	ACTIVE
	N-methyl-2-pyrrolidone	ACTIVE
	ethylbenzene	ACTIVE
78-83-1	butanol	ACTIVE
64742-88-7	Solvent naphtha (petroleum), medium aliph.	ACTIVE
77-58-7	dibutyltin dilaurate	ACTIVE
7447-41-8	lithium chloride	ACTIVE
Hazardous	Air Pollutants	· · · · · · · · · · · · · · · · · · ·
1330-20-7	xylene	
80-62-6	methyl methacrylate	
100-41-4	ethylbenzene	
Propositio	n 65	
Chemicals	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:	
872-50-4 N	I-methyl-2-pyrrolidone	
Carcinoge	nic categories	
-	ronmental Protection Agency)	
1330-20-7		1
80-62-6	methyl methacrylate	E, NL

Page 13/14

Safety Data Sheet acc. to OSHA HCS

Printing date 09/11/2019

CENERAL

Reviewed on 06/28/2019

Trade name: 655 RUBY RED

(Contd. of page 1 100-41-4 ethylbenzene D • TLV (Threshold Limit Value established by ACGIH) A4 1330-20-7 xylene A4 80-62-6 methyl methacrylate A4	
TLV (Threshold Limit Value established by ACGIH) 1330-20-7 xylene	12)
1330-20-7 xylene A4	
	7
80-62-6 methyl methacrylate	4
	4
100-41-4 ethylbenzene AS	3
77-58-7 dibutyltin dilaurate A4	4
NIOSH-Ca (National Institute for Occupational Safety and Health)	4
None of the ingredients is listed.	\neg
· GHS label elements	
The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms GHS02 GHS07	
· Signal word Warning	
 Hazard-determining components of labeling: n-butyl acetate methyl methacrylate 2-hydroxyethyl methacrylate Hazard statements Flammable liquid and vapor. May cause an allergic skin reaction. May cause drowsiness or dizziness. Precautionary statements Keep away from heat/sparks/open flames/hot surfaces No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area. 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 INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). 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 container tighty closed. 	14)

Page 14/14

Safety Data Sheet acc. to OSHA HCS

Printing date 09/11/2019

Reviewed on 06/28/2019

Trade name: 655 RUBY RED

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.

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 09/11/2019 / -
- · 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 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, EU) 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 Sens. 1: Skin sensitisation - Category 1 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3



(Contd. of page 13)

US -