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# Safety Data Sheet

acc. to OSHA HCS

Printing date 10/22/2024

Reviewed on 07/29/2024

## 1 Identification

· Product identifier

- · Trade name: 647C 2K ADDITIVE PURPLE
- · Article number: 647C
- · 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. 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
 Flammable Liquids 3
 H226 Flammable liquid and vapor.
 GHS07
 Eye Irritation 2A
 Sensitization - Skin 1
 Specific Target Organ Toxicity - Single Exposure 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

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Hazard-determining components of labeling:	
n-butyl acetate	
acetone	
methyl methacrylate	
2-hydroxyethyl methacrylate	
Hazard statements	
Flammable liquid and vapor.	
Causes serious eye irritation.	
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	
Wash thoroughly after handling.	
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	th water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
If in eyes: Rinse cautiously with water for several minutes. Remove contact lens	ses, if present and ea
to do. Continue rinsing.	
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.	
If eye irritation persists: Get medical advice/attention.	
Wash contaminated clothing before reuse.	
In case of fire: Use CO2, powder or water spray to extinguish.	
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/internat	ional regulations.
Classification system:	
NFPA ratings (scale 0 - 4)	
Health = 2	
Fire = 3	
2 0 Reactivity = 0	
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· HMIS-ratings (scale 0 - 4)

HEALTH2Health = 2FIRE3Fire = 3REACTIVITY0Reactivity = 0

#### · Other hazards

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

#### 3 Composition/information on ingredients

#### · Chemical characterization: Mixtures

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

· Dangerou	· Dangerous components:	
123-86-4	n-butyl acetate	>25- <i>≤</i> 50%
	acetone	>10- <i>≤</i> 25%
1330-20-7	xylene	>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. If symptoms persist, consult a doctor.
- 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.

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## 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.

## 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures 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:		
123-86-4	n-butyl acetate	5 ppm
67-64-1	acetone	200 ppm
1330-20-7	xylene	130 ppm
80-62-6	methyl methacrylate	17 ppm
868-77-9	2-hydroxyethyl methacrylate	1.9 mg/m <sup>3</sup>
97-88-1	n-butyl methacrylate	19 mg/m <sup>3</sup>
100-41-4	ethylbenzene	33 ppm
78-83-1	butanol	150 ppm
77-58-7	dibutyltin dilaurate	1.1 mg/m³
57-55-6	Propylene glycol	30 mg/m <sup>3</sup>
· PAC-2:		
123-86-4	n-butyl acetate	200 ppm
67-64-1	acetone	3200* ppm
1330-20-7	xylene	920* ppm
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	methyl methacrylate	120 ppm
868-77-9	2-hydroxyethyl methacrylate	21 mg/m³
97-88-1	n-butyl methacrylate	210 mg/m³
100-41-4	ethylbenzene	1100* ppm
78-83-1	butanol	1,300 ppm
77-58-7	dibutyltin dilaurate	8 mg/m³
57-55-6	Propylene glycol	1,300 mg/m <sup>3</sup>
· PAC-3:		
123-86-4	n-butyl acetate	3000* ppm
67-64-1	acetone	5700* ppm
1330-20-7	xylene	2500* ppm
80-62-6	methyl methacrylate	570 ppm
868-77-9	2-hydroxyethyl methacrylate	1,000 mg/m <sup>3</sup>
97-88-1	n-butyl methacrylate	1,300 mg/m <sup>3</sup>
100-41-4	ethylbenzene	1800* ppm
78-83-1	butanol	8000* ppm
77-58-7	dibutyltin dilaurate	48 mg/m <sup>3</sup>
57-55-6	Propylene glycol	7,900 mg/m <sup>3</sup>

## 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.

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• Cont • Com The 1 recor At thi	<b>itional information about design of technical systems:</b> No further data; see section 7. Frol parameters ponents with limit values that require monitoring at the workplace: following constituents are the only constituents of the product which have a PEL, TLV or othe mmended exposure limit. is time, the remaining constituent has no known exposure limits.
123-8	86-4 n-butyl acetate
	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: 150 ppm Long-term value: 50 ppm
67-64	4-1 acetone
PEL	Long-term value: 2400 mg/m³, 1000 ppm
REL	Long-term value: 590 mg/m <sup>3</sup> , 250 ppm
TLV	Short-term value: 500 ppm Long-term value: 250 ppm A4, BEI
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	Long-term value: 20 ppm BEI, A4
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: 100 ppm Long-term value: 50 ppm DSEN, A4
· Ingre	edients with biological limit values:
67-64	4-1 acetone
	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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## 1330-20-7 xylene

BEI 1.5 g/g creatinine Medium: urine Time: end of shift

Parameter: Methylhippuric acids

· Additional information: The lists that were valid during the creation were used as basis.

- · Exposure controls
- · 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. Avoid contact with the eyes. 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.

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· Eye protection:



Tightly sealed goggles

# 9 Physical and chemical properties

General Information	
Appearance:	
Form:	Liquid
Color:	Red
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	55 °C (131 °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 air vapor mixtures are possible.
Explosion limits:	
Lower:	1.2 Vol %
Upper:	13 Vol %
Vapor pressure at 20 °C (68 °F):	233 hPa (174.8 mm Hg)
Density at 20 °C (68 °F):	0.98312 g/cm³ (8.20414 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not determined.



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## Trade name: 647C 2K ADDITIVE PURPLE

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· 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:	48.9 %	
Coating VOC content:	34.63 %	
-	414.0 g/l / 3.45 lb/gal	
Material VOC content:	340.4 g/l / 2.84 lb/gal	
Solids content:	50.7 %	
· 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.

## 1 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values	s that are relevant i	for classification:
------------------	-----------------------	---------------------

## 123-86-4 n-butyl acetate

Oral	LD50	13,100 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>21 mg/l (rat)

## Primary irritant effect:

- on the skin: No irritant effect.
- · on the eye: Irritating effect.

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## Trade name: 647C 2K ADDITIVE PURPLE

- · Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:

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

Irritant

## · Carcinogenic categories

· IARC (Inte	rnational Agency for Research on Cancer)	
1330-20-7	xylene	3
80-62-6	methyl methacrylate	3
97-88-1	n-butyl methacrylate	2B
100-41-4	ethylbenzene	2B
· NTP (Natio	onal Toxicology Program)	
None of the	e ingredients is listed.	
· OSHA-Ca	(Occupational Safety & Health Administration)	
None of the	e 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 3 (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.

- · 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	
	0111200	
UN proper shipping name DOT	Paint	
ADR	1263 PAINT	
IMDG, IATA	PAINT	
Transport hazard class(es)	NOT APPLICABLE	
DOT		
Class	3 Flammable liquids	
Label	3	
ADR, IMDG, IATA		
Class	3 Flammable liquids	
Label	3	
Packing group		
DOT, ADR, IMDG, IATA	<i>III</i>	
Environmental hazards:		
Marine pollutant:	No	
	Warning: Flammable liquids	



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## Trade name: 647C 2K ADDITIVE PURPLE

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· EMS Number: · Stowage Category	<i>F-E,<u>S-E</u> A</i>
<ul> <li>Transport in bulk according to Annex MARPOL73/78 and the IBC Code</li> </ul>	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
<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

· Sara

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

· Section 35	5 (extremely hazardous substances):	
None of the	ingredients is listed.	
· Section 313	3 (Specific toxic chemical listings):	
1330-20-7	xylene	
80-62-6	methyl methacrylate	
100-41-4	ethylbenzene	
· TSCA (Tox	ic Substances Control Act):	
123-86-4	n-butyl acetate	ACTIVE
67-64-1	acetone	ACTIVE
1330-20-7	xylene	ACTIVE
9004-36-8	cellulose acetate butyrate	ACTIVE
80-62-6	methyl methacrylate	ACTIVE
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868-77-	9 2-hydroxyethyl methacrylate	(Contd. of page 7
	1 n-butyl methacrylate	ACTIVI
	8 ZINC 2-ETHYLEXANOATE	ACTIV
	4 ethylbenzene	ACTIVI
	1 butanol	ACTIVI
64742-88-	7 Solvent naphtha (petroleum), medium aliph.	ACTIVI
77-58-	7 dibutyltin dilaurate	ACTIVI
57-55-	6 Propylene glycol	ACTIVI
· Hazardou	s Air Pollutants	·
1330-20-7	xylene	
80-62-6	methyl methacrylate	
100-41-4	ethylbenzene	
· Propositi	bn 65	
· Chemical	s known to cause cancer:	
100-41-4	ethylbenzene	
· Chemical	s known to cause reproductive toxicity for females:	
None of th	e ingredients is listed.	
· Chemical	s known to cause reproductive toxicity for males:	
None of th	e ingredients is listed.	
· Chemical	s known to cause developmental toxicity:	
None of th	e ingredients is listed.	
· Carcinog	enic categories	
-	ronmental Protection Agency)	
67-64-1	acetone	1
1330-20-7	xylene	1
80-62-6	methyl methacrylate	E, N
100-41-4	ethylbenzene	D
· TLV (Thre	shold Limit Value)	
67-64-1	acetone	A
1330-20-7	xylene	A
	methyl methacrylate	A
	ethylbenzene	A
77-58-7	dibutyItin dilaurate	A
· NIOSH-Ca	(National Institute for Occupational Safety and Health)	· ·
	e ingredients is listed.	



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## (Contd. of page 13) · 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 acetone methyl methacrylate 2-hydroxyethyl methacrylate · Hazard statements Flammable liquid and vapor. Causes serious eye irritation. 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 Wash thoroughly after handling. 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. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. (Contd. on page 15) US

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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 10/22/2024 / 1.0
- · Abbreviations and acronyms: 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, 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 Flammable Liquids 3: Flammable liquids – Category 3 Eye Irritation 2A: Serious eye damage/eye irritation - Category 2A Sensitization - Skin 1: Skin sensitisation – Category 1 Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3 \* Data compared to the previous version altered.

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