



Printing date 03/06/2020

Reviewed on 03/06/2020

1 Identification

- · Product identifier
- · Trade name: T380 2K LIGHT YELLOW
- · Article number: T380
- · 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

Dellat

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.



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





GHS02 GHS07

- · Signal word Warning
- Hazard-determining components of labeling:

n-butyl acetate

methyl methacrylate

2,3-epoxypropyl neodecanoate

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· 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 = 0 Fire = 3Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 0 Fire = 3 Reactivity = 0

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

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3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · **Description**: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:		
	n-butyl acetate	>10- <i>≤</i> 25%
1330-20-7	xylene	>2.5-≤10%
110-43-0	2-Heptanone	>2.5-≤10%
64742-95-6	Solvent naphtha (petroleum), light arom.	<i>≤</i> 2.5%
	pentane-2,4-dione	<i>≤</i> 2.5%
80-62-6	methyl methacrylate	<i>≤</i> 2.5%
26761-45-5	2,3-epoxypropyl neodecanoate	<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.





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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 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

123-86-4	n-butyl acetate	5 ppm
1330-20-7	· ·	130 pp
	2-Heptanone	150 pp.
	pentane-2,4-dione	75 ppm
67-64-1	acetone	200 pp
75-65-0	2-methylpropan-2-ol	150 pp
80-62-6	methyl methacrylate	17 ppn
57-55-6	Propylene glycol	30 mg/s
100-41-4	ethylbenzene	33 ppn
77-58-7	dibutyltin dilaurate	1.1 mg.
79-41-4	methacrylic acid	6.7 ppr
868-77-9	2-hydroxyethyl methacrylate	1.9 mg
	triethylenediamine	5.1 mg
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
122-99-6	2-Phenoxyethanol	1.5 ppr
872-50-4	N-methyl-2-pyrrolidone	30 ppm
78-83-1	butanol	150 pp
7447-41-8	lithium chloride	2.3 mg,
70657-70-4	2-methoxypropyl acetate	50 ppm
556-67-2	octamethylcyclotetrasiloxane	30 ppm
PAC-2:		
123-86-4	n-butyl acetate	200 ppm
1330-20-7	xylene	920* ppm
110-43-0	2-Heptanone	670 ppm





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122 54 6	pentane-2,4-dione	(Contd. of page 110 ppm
	acetone	
		3200* ppm
	2-methylpropan-2-ol	1,300 ppm
	methyl methacrylate	120 ppm
	Propylene glycol	1,300 mg/m
	ethylbenzene	1100* ppm
	dibutyltin dilaurate	8 mg/m³
	methacrylic acid	61 ppm
	2-hydroxyethyl methacrylate	21 mg/m³
	triethylenediamine	56 mg/m³
	2-methoxy-1-methylethyl acetate	1,000 ppm
	2-Phenoxyethanol	16 ppm
	N-methyl-2-pyrrolidone	32 ppm
78-83-1	butanol	1,300 ppm
7447-41-8	lithium chloride	25 mg/m³
70657-70-4	2-methoxypropyl acetate	1,000 ppm
556-67-2	octamethylcyclotetrasiloxane	68 ppm
· PAC-3:		
	n-butyl acetate	3000* ppm
1330-20-7	xylene	2500* ppm
110-43-0	2-Heptanone	4000* ppm
123-54-6	pentane-2,4-dione	200 ppm
67-64-1	acetone	5700* ppm
75-65-0	2-methylpropan-2-ol	8000* ppm
80-62-6	methyl methacrylate	570 ppm
57-55-6	Propylene glycol	7,900 mg/m
100-41-4	ethylbenzene	1800* ppm
77-58-7	dibutyltin dilaurate	48 mg/m³
79-41-4	methacrylic acid	220 ppm
868-77-9	2-hydroxyethyl methacrylate	1,000 mg/m
280-57-9	triethylenediamine	340 mg/m³
	2-methoxy-1-methylethyl acetate	5000* ppm
122-99-6	2-Phenoxyethanol	97 ppm
872-50-4	N-methyl-2-pyrrolidone	190 ppm
78-83-1	butanol	8000* ppm
7447-41-8	lithium chloride	150 mg/m³
70657-70-4	2-methoxypropyl acetate	5,000 ppm
		(Contd. on page





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556-67-2 octamethylcyclotetrasiloxane

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130 ppm

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.

Atun	At this time, the other constituents have no known exposure limits.		
123-8	123-86-4 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		
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		
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110	-43-0 2-Heptanone
PEL	Long-term value: 465 mg/m³, 100 ppm
REL	Long-term value: 465 mg/m³, 100 ppm
TLV	Long-term value: 233 mg/m³, 50 ppm
123	-54-6 pentane-2,4-dione
TLV	Long-term value: 102 mg/m³, 25 ppm Skin
80-€	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
· Ingi	redients with biological limit values:
133	0-20-7 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:

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

· 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.

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· 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 Physica	l and c	hemical	l properties
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· Information on basic physical and c	hemical properties
· General Information	
· Appearance:	
Form:	Liquid
Color:	White
· 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 air/vapor mixtures are possible.
· 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):	1.16 g/cm³ (9.6802 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.

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		(Contd. of page 8
· Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/v	vater): Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	37.0 %	
Coating VOC content:	36.53 %	
•	426.7 g/l / 3.56 lb/gal	
Material VOC content:	423.7 g/l / 3.54 lb/gal	
Solids content:	69.7 %	
· 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.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · LD/LC50 values that are relevant for classification:

1330-20-7 xylene

 Oral
 LD50
 4,300 mg/kg (rat)

 Dermal
 LD50
 2,000 mg/kg (rabbit)

- Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eye: No irritating effect.
- · Sensitization: Sensitization possible through skin contact.
- · Additional toxicological information:

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

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Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)

1330-20-7 xylene

80-62-6 methyl methacrylate

100-41-4 ethylbenzene

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.

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UN-Number	
DOT, ADR, IMDG, IATA	UN1263
UN proper shipping name	
DOT	Paint
ADR IMDG, IATA	1263 PAINT PAINT
Transport hazard class(es)	PAINI
• • •	
DOT	
A WWW LIGHT	
Class	3 Flammable liquids
Label	3
ADR, IMDG, IATA	
3	
Class	3 Flammable liquids
Label	3
Packing group	
DOT, ADR, IMDG, IATA	III
Environmental hazards:	Ma
Marine pollutant:	No
Special precautions for user Danger code (Kemler):	Warning: Flammable liquids 30
EMS Number:	50 F-E,S-E
Stowage Category	A 2, <u>0 2</u>
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





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	(Contd. of page 11
· 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) · Excepted quantities (EQ)	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

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

·S	ara
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	5 (extremely hazardous substances):	
None of the	e ingredients is listed.	
· Section 31	3 (Specific toxic chemical listings):	
1330-20-7	xylene	
	2-methylpropan-2-ol	
	methyl methacrylate	
	ethylbenzene	
	2-Phenoxyethanol	
872-50-4	N-methyl-2-pyrrolidone	
104-68-7	Diethylene glycol monophenyl ether	
· TSCA (Tox	ric Substances Control Act):	
123-86-4	n-butyl acetate	ACTIVE
1330-20-7	xylene	ACTIVE
110-43-0	2-Heptanone	ACTIVE
123-54-6	pentane-2,4-dione	ACTIVE
67-64-1	acetone	ACTIVE
75-65-0	2-methylpropan-2-ol	ACTIVE
80-62-6	methyl methacrylate	ACTIVE
26761-45-5	2,3-epoxypropyl neodecanoate	ACTIVE
<i>57-55-6</i>	Propylene glycol	ACTIVE
100-41-4	ethylbenzene	ACTIVE
77-58-7	dibutyItin dilaurate	ACTIVE
	(Conto	l. on page 13





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		(Contd. of page
	methacrylic acid	ACTIN
	2-hydroxyethyl methacrylate	ACTIV
	triethylenediamine	ACTIN
	2-methoxy-1-methylethyl acetate	ACTIN
	2-Phenoxyethanol	ACTIN
	N-methyl-2-pyrrolidone	ACTIN
78-83-1		ACTIN
	lithium chloride	ACTIN
	Diethylene glycol monophenyl ether	ACTIN
556-67-2	octamethylcyclotetrasiloxane	ACTIN
Hazardous	Air Pollutants	
1330-20-7	kylene	
80-62-6	methyl methacrylate	
100-41-4	ethylbenzene	
Proposition	1 65	
Chemicals	known to cause cancer:	
100-41-4 et	hylbenzene	
Chemicals	known to cause reproductive toxicity for females:	
None of the	ingredients is listed.	
Chemicals	known to cause reproductive toxicity for males:	
None of the	ingredients is listed.	
Chemicals	known to cause developmental toxicity:	
872-50-4 N	-methyl-2-pyrrolidone	
Carcinoger	ic categories	
	onmental Protection Agency)	
1330-20-7	<u>-</u>	1
67-64-1 a		I
	methyl methacrylate	E, N
100-41-4	ethylbenzene	D
TLV (Thres	hold Limit Value established by ACGIH)	
1330-20-7	kylene	<i>A</i>
67-64-1	acetone	A
75-65-0	2-methylpropan-2-ol	A
80-62-6	methyl methacrylate	ļ.
100-41-4	ethylbenzene	1
77 50 7	dibutyltin dilaurate	
77-30-7 (





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· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· 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

2,3-epoxypropyl neodecanoate

· 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.

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

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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 03/06/2020 / -
- · Abbreviations and acronyms:

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

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