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Safety Data Sheet

acc. to OSHA HCS

Printing date 05/07/2025

Reviewed on 05/07/2025

1 Identification

· Product identifier

· Trade name: C051LV VOC HIGH PERFORMANCE CLEAR

- · Article number: C051LV
- · 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 2 H225 Highly flammable liquid and vapor. GHS08 Health hazard Carcinogenicity 2 H351 Suspected of causing cancer. GHS07 H315 Causes skin irritation. Skin Irritation 2 Eye Irritation 2A H319 Causes serious eye irritation. Sensitization - Skin 1 H317 May cause an allergic skin reaction. 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). (Contd. on page 2) US



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· Hazard pictograms



· Signal word Danger

· Hazard-determining components of labeling: 4-chloro-alpha, alpha, alpha-trifluorotoluene acetone n-butvl acetate s-3-(3-(2h-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl)propionol-ohydroxypoly(oxyethylene);a-3-(3-(2hbis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 2-hydroxyethyl methacrylate Hazard statements Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. May cause drowsiness or dizziness. · 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. 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. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. (Contd. on page 3)



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(Contd. of page 2) 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/international regulations. · Classification system: · NFPA ratings (scale 0 - 4) Health = 2Fire = 3Reactivity = 0· HMIS-ratings (scale 0 - 4) HEALTH 2 Health = 2FIRE 3 Fire = 3REACTIVITY 0 Reactivity = 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.

· Dangerous o	•	
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	>25- <i>≤</i> 50%
67-64-1	acetone	>10- <i>≤</i> 25%
	n-butyl acetate	>2.5- <i>≤</i> 10%
	2-Heptanone	<i>≤</i> 2.5%
104810-47-1	s-3-(3-(2h-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl)propionol- ohydroxypoly(oxyethylene);a-3-(3-(2h-	<i>≤</i> 2.5%
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	<i>≤</i> 2.5%
868-77-9	2-hydroxyethyl methacrylate	<i>≤</i> 2.5%

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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.

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.

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Protectiv	e Action Criteria for Chemicals	(Contd. of page
PAC-1:		
67-64-1	acetone	200 ppm
123-86-4	n-butyl acetate	5 ppm
110-43-0	2-Heptanone	150 ppm
71-36-3	butan-1-ol	60 ppm
868-77-9	2-hydroxyethyl methacrylate	1.9 mg/m ³
80-62-6	methyl methacrylate	17 ppm
97-88-1	n-butyl methacrylate	19 mg/m ³
77-58-7	dibutyltin dilaurate	1.1 mg/m³
556-67-2	octamethylcyclotetrasiloxane	360 mg/m3
PAC-2:		<u>_</u>
67-64-1	acetone	3200* ppm
123-86-4	n-butyl acetate	200 ppm
110-43-0	2-Heptanone	670 ppm
71-36-3	butan-1-ol	800 ppm
868-77-9	2-hydroxyethyl methacrylate	21 mg/m ³
80-62-6	methyl methacrylate	120 ppm
97-88-1	n-butyl methacrylate	210 mg/m ³
77-58-7	dibutyltin dilaurate	8 mg/m³
556-67-2	octamethylcyclotetrasiloxane	530 mg/m3
PAC-3:		
67-64-1	acetone	5700* ppm
123-86-4	n-butyl acetate	3000* ppm
110-43-0	2-Heptanone	4000* ppm
71-36-3	butan-1-ol	8000** ppm
868-77-9	2-hydroxyethyl methacrylate	1,000 mg/m ²
80-62-6	methyl methacrylate	570 ppm
97-88-1	n-butyl methacrylate	1,300 mg/m ²
77-58-7	dibutyltin dilaurate	48 mg/m ³
556-67-2	octamethylcyclotetrasiloxane	1600 mg/m3

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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: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.
- 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.

67-64-1 acetone

- PEL Long-term value: 2400 mg/m³, 1000 ppm
- REL Long-term value: 590 mg/m³, 250 ppm
- TLV Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm A4, BEI

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

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Short-term value: 712 mg/m³, 150 ppm
Long-term value: 238 mg/m³, 50 ppm

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: 50 ppm

· Ingredients with biological limit values:

67-64-1 acetone

BEI 25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)

· 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. Store protective clothing separately.

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.

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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 Physical and chemical properties

General Information	
Appearance:	
Form:	Liquid
Color:	Clear
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:	-5 °C (23 °F)
Flammability:	Highly 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 ail vapor mixtures are possible.
Explosion limits:	
Lower:	2.6 Vol %
Upper:	13 Vol %
Vapor pressure at 20 °C (68 °F):	233 hPa (174.8 mm Hg)
Density at 20 °C (68 °F):	1.101 g/cm³ (9.18785 lbs/gal)
Relative density	Not determined.
Vapor density	Not determined.



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· 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:	69.0 %	
Coating VOC content:	11.00 %	
C C	272.6 g/l / 2.28 lb/gal	
Material VOC content:	121.1 g/l / 1.01 lb/gal	
Solids content:	30.0 %	
· 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 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: 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: Irritant

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2B

3 2B

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene

80-62-6 methyl methacrylate

97-88-1 n-butyl methacrylate

· 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	N/A UN1263	
DOT, ADR, IMDG, IATA		
UN proper shipping name DOT	N/A Paint	
ADR	1263 PAINT	
IMDG, IATA	PAINT	
Transport hazard class(es)	NOT APPLICABLE	
DOT		
Class Label	3 Flammable liquids 3	
ADR, IMDG, IATA		
	2 Elemmoble liquide	
Class Label	3 Flammable liquids 3	
Packing group DOT, ADR, IMDG, IATA	NON APPLICABILE II	
Environmental hazards: Marine pollutant:	No	
Special precautions for user	Warning: Flammable liquids	
Hazard identification number (Kemler code)	: 33	
EMS Number: Stowage Category	F-E, <u>S-E</u> B	
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: 5 L On cargo aircraft only: 60 L	



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· ADR	
 Excepted quantities (EQ) 	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
·IMDG	
· Limited quantities (LQ)	5L
Excepted quantities (ÉQ)	Code: E2
,	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, II

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
 Sara
- Oura
- · Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

71-36-3 butan-1-ol

80-62-6 methyl methacrylate

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Hazardous Air Pollutants

80-62-6 methyl methacrylate

- · Proposition 65
- · Chemicals known to cause cancer:

98-56-6 4-chloro-alpha,alpha,alpha-trifluorotoluene

- · 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:
- None of the ingredients is listed.

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· Carcinogenic categories		
· EPA (Er	vironmental Protection Agency)	
67-64-1	acetone	1
71-36-3	butan-1-ol	D
80-62-6	methyl methacrylate	E, NL
· TLV (Th	reshold Limit Value)	
67-64-1	acetone	A4
80-62-6	methyl methacrylate	A4
77-58-7	dibutyltin dilaurate	A4
· 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



· Signal word Danger

- · Hazard-determining components of labeling: 4-chloro-alpha, alpha, alpha-trifluorotoluene acetone n-butyl acetate s-3-(3-(2h-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl)propionol-ohydroxypoly(oxyethylene);a-3-(3-(2hbis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 2-hydroxyethyl methacrylate Hazard statements Highly flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. May cause drowsiness or dizziness. · 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. Ground/bond container and receiving equipment. (Contd. on page 14)
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(Contd. of page 13) 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. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing and wash it before reuse. 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/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 05/07/2025 / -
- 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 Transport Association
 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)

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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 2: Flammable liquids – Category 2 Skin Irritation 2: Skin corrosion/irritation – Category 2 Eye Irritation 2: Skin corrosion/irritation – Category 1 Carcinogenicity 2: Carcinogenicity – Category 2 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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