



Safety Data Sheet acc. to OSHA HCS

Printing date 05/08/2025

Reviewed on 05/08/2025

1 Identification

- **Product identifier**
- **Trade name:** W501 CARMINE RED
- **Article number:** W501
- **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**



GHS08 Health hazard

Toxic to Reproduction 1B H360 May damage fertility or the unborn child.

Flammable liquids 4 H227 Combustible liquid.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**
N-methyl-2-pyrrolidone
- **Hazard statements**
Combustible liquid.
May damage fertility or the unborn child.
- **Precautionary statements**
Obtain special instructions before use.

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Do not handle until all safety precautions have been read and understood.

Keep away from flames and hot surfaces. – No smoking.

Wear protective gloves/protective clothing/eye protection/face protection.

IF exposed or concerned: Get medical advice/attention.

In case of fire: Use CO₂, powder or water spray to extinguish.

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 = 2

Reactivity = 0

• **HMIS-ratings (scale 0 - 4)**



Health = *0

Fire = 2

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 components:**

| | | |
|----------|------------------------|-----------|
| 111-76-2 | 2-butoxyethanol | >2.5-≤10% |
| 67-63-0 | propan-2-ol | ≤2.5% |
| 872-50-4 | N-methyl-2-pyrrolidone | ≤2.5% |

4 First-aid measures

• **Description of first aid measures**

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **After skin contact:** Generally the product does not irritate the skin.

• **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.
- **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** Not required.
- **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.
- **Reference to other sections**
No dangerous substances are released.
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:

| | | |
|----------|------------------------|---------|
| 111-76-2 | 2-butoxyethanol | 60 ppm |
| 67-63-0 | propan-2-ol | 400 ppm |
| 872-50-4 | N-methyl-2-pyrrolidone | 30 ppm |
| 108-01-0 | 2-dimethylaminoethanol | 3.7 ppm |
| 140-88-5 | ethyl acrylate | 8.3 ppm |

PAC-2:

| | | |
|----------|------------------------|-----------|
| 111-76-2 | 2-butoxyethanol | 120 ppm |
| 67-63-0 | propan-2-ol | 2000* ppm |
| 872-50-4 | N-methyl-2-pyrrolidone | 32 ppm |
| 108-01-0 | 2-dimethylaminoethanol | 12 ppm |

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| | | |
|-----------------|------------------------|-------------|
| 140-88-5 | ethyl acrylate | 36 ppm |
| · PAC-3: | | |
| 111-76-2 | 2-butoxyethanol | 700 ppm |
| 67-63-0 | propan-2-ol | 12000** ppm |
| 872-50-4 | N-methyl-2-pyrrolidone | 190 ppm |
| 108-01-0 | 2-dimethylaminoethanol | 72 ppm |
| 140-88-5 | ethyl acrylate | 240 ppm |

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Open and handle receptacle with care.
- **Information about protection against explosions and fires:**
Keep respiratory protective device available.
- **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:** 6.1 C
- **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:

| | |
|---------------------------------|---|
| 111-76-2 2-butoxyethanol | |
| PEL | Long-term value: 240 mg/m ³ , 50 ppm Skin |
| REL | Long-term value: 24 mg/m ³ , 5 ppm Skin |
| TLV | Long-term value: 97 mg/m ³ , 20 ppm BEI, A3 |
| 67-63-0 propan-2-ol | |
| PEL | Long-term value: 980 mg/m ³ , 400 ppm |

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| | |
|--|--|
| REL | Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm |
| TLV | Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 491 mg/m ³ , 200 ppm BEI, A4 |
| 872-50-4 N-methyl-2-pyrrolidone | |
| WEEL | Long-term value: 10 ppm Skin |

· **Ingredients with biological limit values:**

111-76-2 2-butoxyethanol

| | |
|-----|--|
| BEI | 200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid (BAA) (with hydrolysis) |
|-----|--|

67-63-0 propan-2-ol

| | |
|-----|---|
| BEI | 40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific) |
|-----|---|

872-50-4 N-methyl-2-pyrrolidone

| | |
|-----|--|
| BEI | 100 mg/L Medium: urine Time: end of shift Parameter: 5-Hydroxy-N-methyl-2-pyrrolidone |
|-----|--|

· **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.
Wash hands before breaks and at the end of work.
Store protective clothing separately.

· **Breathing equipment:** Not required.

· **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.

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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:** Goggles recommended during refilling.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:**

- Fluid

- **Color:**

- According to product description

- **Odor:**

- Characteristic

- **Odor threshold:**

- Not determined.

- **pH-value at 20 °C (68 °F):**

- 7.4-8.4

- **Change in condition**

- **Melting point/Melting range:**

- Undetermined.

- **Boiling point/Boiling range:**

- 100 °C (212 °F)

- **Flash point:**

- 68 °C (154.4 °F)

- **Flammability:**

- Not applicable.

- **Auto igniting:**

- 240 °C (464 °F)

- **Decomposition temperature:**

- Not determined.

- **Ignition temperature:**

- Product is not selfigniting.

- **Danger of explosion:**

- Not determined.

- **Explosion limits:**

- **Lower:**

- Not determined.

- **Upper:**

- Not determined.

- **Vapor pressure at 20 °C (68 °F):**

- 23 hPa (17.3 mm Hg)

- **Density at 20 °C (68 °F):**

- 1.046 g/cm³ (8.72887 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: | 7.6 % |
| Water: | 61.7 % |
| Coating VOC content: | 7.57 % |
| | 223.3 g/l / 1.86 lb/gal |
| Material VOC content: | 79.1 g/l / 0.66 lb/gal |
| Solids content: | 28.2 % |
| · 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:**

111-76-2 2-butoxyethanol

| | | |
|--------|------|-------------------|
| Oral | LD50 | 1,200 mg/kg (ATE) |
| | | 1,480 mg/kg (rat) |
| Dermal | LD50 | 400 mg/kg (rab) |

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Inhalative LC50/4 h 3 mg/l (ATE)

Primary irritant effect:**on the skin:** No irritant effect.**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

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

Carcinogenic categories**IARC (International Agency for Research on Cancer)**

| | | |
|----------|-----------------|----|
| 111-76-2 | 2-butoxyethanol | 3 |
| 67-63-0 | propan-2-ol | 3 |
| 140-88-5 | ethyl acrylate | 2B |

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 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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 | NOT APPLICABLE |
| · UN proper shipping name | N/A NOT APPLICABLE |
| · Transport hazard class(es) | NOT APPLICABLE NOT APPLICABLE |
| · Packing group | NON APPLICABLE NOT APPLICABLE |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

15 Regulatory information

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

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

| | |
|----------|------------------------|
| 111-76-2 | 2-butoxyethanol |
| 67-63-0 | propan-2-ol |
| 872-50-4 | N-methyl-2-pyrrolidone |

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| | | |
|---|---|--------|
| 140-88-5 | ethyl acrylate | |
| · TSCA (Toxic Substances Control Act): | | |
| 7732-18-5 | water, distilled, conductivity or of similar purity | ACTIVE |
| 111-76-2 | 2-butoxyethanol | ACTIVE |
| 67-63-0 | propan-2-ol | ACTIVE |
| 872-50-4 | N-methyl-2-pyrrolidone | ACTIVE |
| 108-01-0 | 2-dimethylaminoethanol | ACTIVE |
| 25265-71-8 | Dipropylene glycol (isomer unspecified) | ACTIVE |
| 140-88-5 | ethyl acrylate | ACTIVE |
| · Hazardous Air Pollutants | | |
| 140-88-5 | ethyl acrylate | |
| · Proposition 65 | | |
| · Chemicals known to cause cancer: | | |
| 140-88-5 | ethyl acrylate | |
| · 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 | |
| · Carcinogenic categories | | |
| · EPA (Environmental Protection Agency) | | |
| 111-76-2 | 2-butoxyethanol | NL |
| · TLV (Threshold Limit Value) | | |
| 111-76-2 | 2-butoxyethanol | A3 |
| 67-63-0 | propan-2-ol | A4 |
| 140-88-5 | ethyl acrylate | A4 |
| · NIOSH-Ca (National Institute for Occupational Safety and Health) | | |
| 140-88-5 | ethyl acrylate | |

· GHS label elements

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

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· Hazard pictograms



GHS08

· Signal word *Danger*

· Hazard-determining components of labeling:

N-methyl-2-pyrrolidone

· Hazard statements

Combustible liquid.
May damage fertility or the unborn child.

· Precautionary statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from flames and hot surfaces. – No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
In case of fire: Use CO2, powder or water spray to extinguish.
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 05/08/2025 / 1.0

· Abbreviations and acronyms:

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

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PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEL: Biological Exposure Limit

Flammable liquids 4: Flammable liquids – Category 4

Toxic to Reproduction 1B: Reproductive toxicity – Category 1B

. * **Data compared to the previous version altered.**

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