



## Safety Data Sheet according to HPR, Schedule 1

Printing date 11/12/2024

Reviewed on 11/12/2024

### 1 Identification

- **Product identifier**
- **Trade name:** H800 2K HARDENER
- **Article number:** H800
- **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 identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids - Category 3

H226 Flammable liquid and vapour.



GHS07

Acute Toxicity (Dermal) – Category 4

H312 Harmful in contact with skin.

Skin Irritation - Category 2

H315 Causes skin irritation.

Eye Irritation - Category 2A

H319 Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure -  
Category 3

H335 May cause respiratory irritation.

- **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

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**· Hazard-determining components of labeling:**

Homopolymer of hexamethylene diisocyanate  
xylene

**· Hazard statements**

Flammable liquid and vapour.  
Harmful in contact with skin.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.

**· Precautionary statements**

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Ground and bond container and receiving equipment.  
Use explosion-proof [electrical/ventilating/lighting] equipment.  
Use non-sparking tools.  
Take actions to prevent static discharges.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.  
Take off contaminated clothing and wash it before reuse.  
Specific measures (see on this label).  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
In case of fire: Use CO<sub>2</sub>, 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 = 2  
Fire = 3  
Reactivity = 0

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**· HMIS-ratings (scale 0 - 4)**

HEALTH	2	Health = 2
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

### 3 Composition/Information on ingredients

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

**· Dangerous components:**

28182-81-2	Homopolymer of hexamethylene diisocyanate	45-70% w/w *
1330-20-7	xylene	15-40% w/w *
123-86-4	n-butyl acetate	1-5% w/w *

\* Actual concentration ranges are withheld as a trade secret.

### 4 First-aid measures

- **Description of first aid measures**
- **General information:**  
Immediately remove any clothing soiled by the product.  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** 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:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- **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.

### 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 section 7.

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**· Control parameters****· Components with limit values that require monitoring at the workplace:****1330-20-7 xylene**

EL STEL: 150 ppm

TWA: 100 ppm

EV STEL: 650 mg/m<sup>3</sup>, 150 ppmTWA: 435 mg/m<sup>3</sup>, 100 ppm**123-86-4 n-butyl acetate**

EL STEL: 150 ppm

TWA: 50 ppm

EV STEL: 950 mg/m<sup>3</sup>, 200 ppmTWA: 710 mg/m<sup>3</sup>, 150 ppm**· 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 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

**· Information on basic 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:**

137 °C

**· Flash point:**

25 °C

**· Flammability:**

Flammable.

**· Auto igniting:**

500 °C

**· 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:**

1.1 Vol %

**Upper:**

7 Vol %

**· Vapor pressure at 20 °C:**

6.7 hPa

**· Density at 20 °C:**1.04578 g/cm<sup>3</sup>**· Relative density**

Not determined.

**· Vapor density**

Not determined.

**· Evaporation rate**

Not determined.

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- |   |  |
|---|--|
| · <b>Solubility in / Miscibility with Water:</b>  | Not miscible or difficult to mix.          |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.                            |
| · <b>Viscosity:</b>                               |  |
| <b>Dynamic:</b>                                   | Not determined.                            |
| <b>Kinematic:</b>                                 | Not determined.                            |
| · <b>Solvent content:</b>                         |  |
| <b>Organic solvents:</b>                          | 39.5 %                                     |
| <b>Coating VOC content:</b>                       | 39.51 %                                    |
|   | 413.2 g/l / 3.45 lb/gal                    |
| <b>Material VOC content:</b>                      | 413.2 g/l / 3.45 lb/gal                    |
| · <b>Solids content:</b>                          | 60.4 %                                     |
| · <b>Other information</b>                        | 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:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful  
Irritant

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

1330-20-7 xylene

3

**· NTP (National Toxicology Program)**

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.

### 14 Transport information

**· UN-Number****· DOT/TDG, ADR, IMDG, IATA**

UN1263

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- **UN proper shipping name**
- **DOT/TDG**
- **ADR**
- **IMDG, IATA**

Paint  
1263 Paint  
PAINT

- **Transport hazard class(es)**
- **DOT/TDG (Transport dangerous goods):**



- **Class**
- **Label**

3 Flammable liquids  
3

- **ADR, IMDG, IATA**



- **Class**
- **Label**

3 Flammable liquids  
3

- **Packing group**
- **DOT/TDG, ADR, IMDG, IATA**

III

- **Environmental hazards:**
- **Marine pollutant:**

No

- **Special precautions for user**
- **Hazard identification number (Kemler code):**
- **EMS Number:**
- **Stowage Category**

Warning: Flammable liquids  
30  
F-E, S-E  
A

- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

- **Transport/Additional information:**

- **DOT/TDG**
- **Quantity limitations**

On passenger aircraft/rail: 60 L  
On cargo aircraft only: 220 L

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• <b>ADR</b>	
• <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
• <b>IMDG</b>	
• <b>Limited quantities (LQ)</b>	5L
• <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
• <b>UN "Model Regulation":</b>	UN 1263 PAINT, 3, III

### 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):**

1330-20-7 xylene

822-06-0 hexamethylene-di-isocyanate

- **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

- **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 1%)**

123-86-4 n-butyl acetate

- **GHS label elements**

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

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**Trade name: H800 2K HARDENER**

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· **Hazard pictograms**



GHS02 GHS07

· **Signal word** *Warning*

· **Hazard-determining components of labeling:**

Homopolymer of hexamethylene diisocyanate  
xylene

· **Hazard statements**

*Flammable liquid and vapour.  
Harmful in contact with skin.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.*

· **Precautionary statements**

*If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Ground and bond container and receiving equipment.  
Use explosion-proof [electrical/ventilating/lighting] equipment.  
Use non-sparking tools.  
Take actions to prevent static discharges.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.  
Take off contaminated clothing and wash it before reuse.  
Specific measures (see on this label).  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
In case of fire: Use CO<sub>2</sub>, 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.*

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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 the latest revision of the safety data sheet** 11/12/2024 / 1.1

- **Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

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, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

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