

**Safety data sheet**  
**according to 1907/2006/EC, Article 31) with its amendment**  
**Regulation (EU) 2020/878**

Printing date 30.11.2023

Version number 1.0

Revision: 30.11.2023

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier** Industrial toner
- **Trade name:** **OH4.114 SOLID ORANGE**
- **Article number:** OH4.114
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
use as industrial paint
- **Sector of Use**  
SU3 Industrial Uses: Uses of substances such as or in preparations at industrial sites  
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Application of the substance / the mixture** refer to the relevant Technical Data Sheet
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Générale de Peinture,  
36 rue Scheffer  
75116 PARIS, France  
info@generalpaint.biz
- **Further information obtainable from:** Product Safety Department
- **1.4 Emergency telephone number:** +961 9 925 990/1/2

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008) with its amendment Regulation (EU) 2020/878**



Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Repr. 1B H360D May damage the unborn child.



Skin Irrit. 2 H315 Causes skin irritation.

(Contd. on page 2)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31) with its amendment**  
**Regulation (EU) 2020/878**

Printing date 30.11.2023

Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 1)

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

*The product is classified and labelled according to the GB CLP regulation.*

· **Hazard pictograms**



GHS02 GHS07 GHS08

· **Signal word** *Danger*

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

*N-methyl-2-pyrrolidone*

· **Hazard statements**

*H225 Highly flammable liquid and vapour.*

*H315 Causes skin irritation.*

*H360D May damage the unborn child.*

· **Precautionary statements**

*P101 If medical advice is needed, have product container or label at hand.*

*P102 Keep out of reach of children.*

*P103 Read label before use.*

*P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*

*P241 Use explosion-proof [electrical/ventilating/lighting] equipment.*

*P280 Wear protective gloves/protective clothing/eye protection/face protection.*

*P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].*

*P405 Store locked up.*

*P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

**SECTION 3: Composition/information on ingredients**

· **3.2 Chemical characterisation: Mixtures**

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

(Contd. on page 3)

**Safety data sheet**  
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**Regulation (EU) 2020/878**

Printing date 30.11.2023

Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 2)

· <b>Dangerous components:</b>		
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119486136-34 05-2116602925-45 01-2119488216-32	xylene ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	>10-≤25%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29 05-2116413226-56	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226	>10-≤25%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	>2.5-≤10%
CAS: 64742-95-6 EINECS: 265-199-0 Reg.nr.: 01-2119455851-35 05-2116598517-27	Solvent naphtha (petroleum), light arom. ⚠ Acute Tox. 4, H332; STOT SE 3, H335	>2.5-≤10%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	ethylbenzene ⚠ Flam. Liq. 2, H225; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332	>2.5-≤10%
CAS: 872-50-4 EINECS: 212-828-1 Reg.nr.: 01-2119472430-46	N-methyl-2-pyrrolidone ⚠ Repr. 1B, H360D; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≤2.5%

· **SVHC**

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

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

**SECTION 4: First aid measures**

· **4.1 Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.
- **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.
- **After swallowing:** If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

(Contd. on page 4)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31) with its amendment**  
**Regulation (EU) 2020/878**

Printing date 30.11.2023

Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 3)

- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 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.
- **6.4 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.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Open and handle receptacle with care.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Keep respiratory protective device available.
- **7.2 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.

(Contd. on page 5)

**Safety data sheet**  
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**Regulation (EU) 2020/878**

Printing date 30.11.2023

Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 4)

- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- **Storage class: 3**
- **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see section 7.

· **Ingredients with limit values that require monitoring at the workplace:**

**1330-20-7 xylene**

WEL	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV
-----	--

**108-65-6 2-methoxy-1-methylethyl acetate**

WEL	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm Long-term value: 274 mg/m <sup>3</sup> , 50 ppm Sk
-----	--

**123-86-4 n-butyl acetate**

WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
-----	---

**100-41-4 ethylbenzene**

WEL	Short-term value: 552 mg/m <sup>3</sup> , 125 ppm Long-term value: 441 mg/m <sup>3</sup> , 100 ppm Sk
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**872-50-4 N-methyl-2-pyrrolidone**

WEL	Short-term value: 80 mg/m <sup>3</sup> , 20 ppm Long-term value: 40 mg/m <sup>3</sup> , 10 ppm Sk
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· **Ingredients with biological limit values:**

**1330-20-7 xylene**

BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
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- **Additional information:** The lists valid during the making were used as basis.

(Contd. on page 6)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31) with its amendment**  
**Regulation (EU) 2020/878**

Printing date 30.11.2023

Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 5)

- **8.2 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 skin.*  
*Avoid contact with the eyes and skin.*
- **Respiratory protection:** 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.*  
*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:**



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**  
**Form:** Liquid

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31) with its amendment  
Regulation (EU) 2020/878

Printing date 30.11.2023

Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 6)

<b>Colour:</b>	Orange
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	124-128 °C
· <b>Flash point:</b>	15 °C
· <b>Flammability (solid, gas):</b>	Highly flammable.
· <b>Auto-ignition temperature:</b>	315 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	1.1 Vol %
<b>Upper:</b>	10.8 Vol %
· <b>Vapour pressure at 20 °C:</b>	6.7-8.2 hPa
· <b>Density at 20 °C:</b>	1.05 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <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>	50.6 %
<b>VOC (EC)</b>	531.8 g/l
· <b>Solids content:</b>	49.3 %

(Contd. on page 8)



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**Regulation (EU) 2020/878**

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Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 7)

- **9.2 Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **LD/LC50 values relevant for classification:**
- |                         |      |                      |
|-------------------------|------|----------------------|
| <b>1330-20-7 xylene</b> |      |                      |
| Oral                    | LD50 | 4,300 mg/kg (rat)    |
| Dermal                  | LD50 | 2,000 mg/kg (rabbit) |
- **Primary irritant effect:**
  - **Skin corrosion/irritation**  
Causes skin irritation.
  - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
  - **Additional toxicological information:**
  - **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity**  
May damage the unborn child.
  - **STOT-single exposure** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

GB

(Contd. on page 9)



**Safety data sheet**  
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**Regulation (EU) 2020/878**

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Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 8)

**SECTION 12: Ecological information**

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- |  |                |
|--|----------------|
| · <b>14.1 UN-Number</b>                  |                |
| · <b>ADR, IMDG, IATA</b>                 | UN1263         |
| · <b>14.2 UN proper shipping name</b>    |                |
| · <b>ADR</b>                             | 1263 PAINT     |
| · <b>IMDG, IATA</b>                      | PAINT          |
| · <b>14.3 Transport hazard class(es)</b> | NOT APPLICABLE |

(Contd. on page 10)

**Safety data sheet**  
according to 1907/2006/EC, Article 31) with its amendment  
Regulation (EU) 2020/878

Printing date 30.11.2023

Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 9)

· **ADR, IMDG, IATA**



· **Class** 3 Flammable liquids.  
· **Label** 3

· **14.4 Packing group**  
· **ADR, IMDG, IATA** III

· **14.5 Environmental hazards:**  
· **Marine pollutant:** No

· **14.6 Special precautions for user** Warning: Flammable liquids.  
· **Hazard identification number (Kemler code):** 30  
· **EMS Number:** F-E, S-E  
· **Stowage Category** A

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **ADR**  
· **Limited quantities (LQ)** 5L  
· **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml  
· **Transport category** 3  
· **Tunnel restriction code** D/E

· **IMDG**  
· **Limited quantities (LQ)** 5L  
· **Excepted quantities (EQ)** 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

GB

(Contd. on page 11)

**Safety data sheet**  
**according to 1907/2006/EC, Article 31) with its amendment**  
**Regulation (EU) 2020/878**

Printing date 30.11.2023

Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 10)

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category P5c** FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· **National regulations:**

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to UK REACH**

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

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

**SECTION 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.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

(Contd. on page 12)

**Safety data sheet**  
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Version number 1.0

Revision: 30.11.2023

**Trade name: OH4.114 SOLID ORANGE**

(Contd. of page 11)

H336 May cause drowsiness or dizziness.

H360D May damage the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

• **Department issuing SDS:** Product safety department

• **Contact:** N/A

• **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

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

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

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Repr. 1B: Reproductive toxicity – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

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