

## Safety Data Sheet acc. to OSHA HCS

Printing date 04/30/2023



Version 17

Reviewed on 04/30/2023

### 1 Identification

- **Product identifier** Bright gold
- **Trade name:**
- **Product ID#:** **HOBBY BRIGHT BRUSHING GOLD LUSTER GBC7914-H**
- **Product Use:** Coating compound/ Surface coating/ paint
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Mayco Colors  
4077 Weaver Court South  
Hilliard, OH 43026  
tel. 614-876-1171  
fax. 614-876-9904
- **Information department:** Product Safety Department 1 (610) 873-3200 M-F 8am-5pm
- **Emergency telephone number:** 1 856 384-7050

### 2 Hazard(s) identification

- **Classification of the substance or mixture**  
Flammable Liquids 2 H225 Highly flammable liquid and vapor.  
Skin Irritation 2 H315 Causes skin irritation.  
Sensitization - Skin 1 H317 May cause an allergic skin reaction.
- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**  
  
GHS02 GHS07
- **Signal word** Danger
- **Hazard-determining components of labeling:**  
1,2-dichlorobenzene  
Turpentine, oil
- **Hazard statements**  
H225 Highly flammable liquid and vapor.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.
- **Precautionary statements**  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.

(Contd. on page 2)

-US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 1)

P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
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/shower.
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (see on this label).
P363	Wash contaminated clothing before reuse.
P370+P378	In case of fire: Use CO <sub>2</sub> , sand, extinguishing powder to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Hazard description:**

- **American Hazard Description**

Based upon the components the following hazards may exist:  
Target Organs - Lungs, Central Nervous System

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 1  
Fire = 4  
Reactivity = 0

- **HMIS ratings (scale 0 - 4)**



HEALTH 1 Health = 1  
FIRE 4 Fire = 4  
REACTIVITY 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:**

Solution of organo(precious) metal compounds and resins / waxes in a mixture of organic solvents and essential oils

- **Hazardous components:**

CAS: 68365-87-7 EINECS: 269-858-3	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate ⚠ Flammable Solids 2, H228	>20-<30%
CAS: 110-19-0 EINECS: 203-745-1	isobutyl acetate ⚠ Flammable Liquids 2, H225	≤15.0%
CAS: 108-93-0 EINECS: 203-630-6 RTECS: GV 7875000	cyclohexanol ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227	>10-<15%

(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 2)

CAS: 125-12-2 EINECS: 204-727-6	Isobornyl acetate Flammable Liquids 4, H227	>8-<10%
CAS: 108-94-1 EINECS: 203-631-1 RTECS: GW 1050000	cyclohexanone ⚠ Flammable Liquids 3, H226; ⚠ Acute Toxicity - Dermal 3, H311; ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332	>4-<6%
CAS: 1330-20-7 EINECS: 215-535-7 RTECS: ZE 2100000	xylene, mixture of isomers ⚠ Flammable Liquids 3, H226; ⚠ Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319	>4-<5%
CAS: 100-52-7 EINECS: 202-860-4 RTECS: CU 4375000	benzaldehyde ⚠ Acute Toxicity - Oral 4, H302; Flammable Liquids 4, H227	>2-<2.5%
CAS: 92-52-4 EINECS: 202-163-5 RTECS: DU 8050000	biphenyl ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335	>1-<1.5%
CAS: 141-78-6 EINECS: 205-500-4 RTECS: AH 5425000	ethyl acetate ⚠ Flammable Liquids 2, H225; ⚠ Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	>1-<1.5%
CAS: 67874-71-9	bismuth octoate Flammable Liquids 4, H227	≤1.0%
CAS: 95-50-1 EINECS: 202-425-9 RTECS: CZ 4500000	1,2-dichlorobenzene ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227	≥0.25-<0.5%
CAS: 8006-64-2 EINECS: 232-350-7 RTECS: YO8400000	Turpentine, oil ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317	≥0.25-<0.5%
CAS: 628-63-7 EINECS: 211-047-3 RTECS: AJ 2010000	pentyl acetate ⚠ Flammable Liquids 3, H226	<0.5%
EC number: 932-349-8 RTECS: YO8400000	Turpentine, oil Alternative CAS number: 8006-64-2 ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317	≥0.1-<0.25%
CAS: 8006-64-2 EINECS: 232-350-7 RTECS: YO8400000	Turpentine, oil ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304; ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317	≥0.1-<0.25%
<b>· Main components:</b>		
CAS: 68365-87-7 EINECS: 269-858-3	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate ⚠ Flammable Solids 2, H228	>20-<30%
CAS: 110-19-0 EINECS: 203-745-1	isobutyl acetate ⚠ Flammable Liquids 2, H225	≤15.0%

(Contd. on page 4)

-US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 3)

CAS: 26678-93-3 polymer	formaldehyde, polymer with 4-(1,1,3,3 tetramethylbutyl)phenol	>10-<15%
CAS: 108-93-0 EINECS: 203-630-6 RTECS: GV 7875000	cyclohexanol ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227	>10-<15%
CAS: 125-12-2 EINECS: 204-727-6	Isobornyl acetate Flammable Liquids 4, H227	>8-<10%
CAS: 108-94-1 EINECS: 203-631-1 RTECS: GW 1050000	cyclohexanone ⚠ Flammable Liquids 3, H226; ⚠ Acute Toxicity - Dermal 3, H311; ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332	>4-<6%
CAS: 1330-20-7 EINECS: 215-535-7 RTECS: ZE 2100000	xylene, mixture of isomers ⚠ Flammable Liquids 3, H226; ⚠ Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319	>4-<5%
CAS: 100-52-7 EINECS: 202-860-4 RTECS: CU 4375000	benzaldehyde ⚠ Acute Toxicity - Oral 4, H302; Flammable Liquids 4, H227	>2-<2.5%
CAS: 65997-05-9 NLP: 500-163-2	polymerised rosin	>1.5-<2%
CAS: 92-52-4 EINECS: 202-163-5 RTECS: DU 8050000	biphenyl ⚠ Skin Irritation 2, H315; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H335	>1-<1.5%
CAS: 141-78-6 EINECS: 205-500-4 RTECS: AH 5425000	ethyl acetate ⚠ Flammable Liquids 2, H225; ⚠ Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	>1-<1.5%
CAS: 67874-71-9	bismuth octoate Flammable Liquids 4, H227	≤1.0%
CAS: 95-50-1 EINECS: 202-425-9 RTECS: CZ 4500000	1,2-dichlorobenzene ⚠ Acute Toxicity - Oral 4, H302; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315; Eye Irritation 2A, H319; Sensitization - Skin 1, H317; Specific Target Organ Toxicity - Single Exposure 3, H335; Flammable Liquids 4, H227	≥0.25-<0.5%
CAS: 7704-34-9 EINECS: 231-722-6	sulphur ⚠ Skin Irritation 2, H315	<0.5%

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

## 4 First-aid measures

· **Description of first aid measures**

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen.

In case of unconsciousness place patient stably in side position for transportation.

(Contd. on page 5)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 4)

- **After skin contact:**  
Remove contaminated clothing and wash skin with soap and water. Wash or clean clothing before reuse.
- **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:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **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:** Wear full firefighting gear and SCBA

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.  
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.  
Do not flush with water or aqueous cleansing agents
- **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**

- **PAC-1:**

110-19-0	isobutyl acetate	450 ppm
108-93-0	cyclohexanol	150 ppm
1330-20-7	xylene, mixture of isomers	130 ppm
100-52-7	benzaldehyde	4 ppm
92-52-4	biphenyl	0.87 ppm
141-78-6	ethyl acetate	1,200 ppm

- **PAC-2:**

110-19-0	isobutyl acetate	1300* ppm
108-93-0	cyclohexanol	580 ppm

(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 5)

1330-20-7	xylene, mixture of isomers	920* ppm
100-52-7	benzaldehyde	9.9 ppm
92-52-4	biphenyl	9.6 ppm
141-78-6	ethyl acetate	1,700 ppm
<b>· PAC-3:</b>		
110-19-0	isobutyl acetate	7500** ppm
108-93-0	cyclohexanol	3,500 ppm
1330-20-7	xylene, mixture of isomers	2500* ppm
100-52-7	benzaldehyde	59 ppm
92-52-4	biphenyl	300 ppm
141-78-6	ethyl acetate	10000** 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 from heat.  
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.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:**  
The application of this product requires well exhausted firing kilns and efficient ventilation of working areas.
- **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.  
There is no PEL established for this mixture. Recommend monitoring based upon the components in the mixture.

### 110-19-0 isobutyl acetate

PEL	Long-term value: 700 mg/m <sup>3</sup> , 150 ppm
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(Contd. on page 7)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 6)

REL	Long-term value: 700 mg/m <sup>3</sup> , 150 ppm
TLV	Short-term value: 150 ppm Long-term value: 50 ppm
<b>108-93-0 cyclohexanol</b>	
PEL	Long-term value: 200 mg/m <sup>3</sup> , 50 ppm
REL	Long-term value: 200 mg/m <sup>3</sup> , 50 ppm Skin
TLV	Long-term value: 50 ppm Skin, BEI
<b>1330-20-7 xylene, mixture of isomers</b>	
PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 20 ppm BEI, A4
<b>100-52-7 benzaldehyde</b>	
WEEL	Short-term value: 4 ppm Long-term value: 2 ppm DSEN
<b>92-52-4 biphenyl</b>	
PEL	Long-term value: 1 mg/m <sup>3</sup> , 0.2 ppm
REL	Long-term value: 1 mg/m <sup>3</sup> , 0.2 ppm
TLV	Long-term value: 0.2 ppm
<b>141-78-6 ethyl acetate</b>	
PEL	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
REL	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
TLV	Long-term value: 400 ppm
<b>95-50-1 1,2-dichlorobenzene</b>	
PEL	Ceiling limit value: 300 mg/m <sup>3</sup> , 50 ppm
REL	Ceiling limit value: 300 mg/m <sup>3</sup> , 50 ppm
TLV	Short-term value: 50 ppm Long-term value: 25 ppm A4
<b>628-63-7 pentyl acetate</b>	
PEL	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
REL	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 100 ppm Long-term value: 50 ppm
<b>Turpentine, oil</b>	
PEL	Long-term value: 560 mg/m <sup>3</sup> , 100 ppm
REL	Long-term value: 560 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 20 ppm DSEN, A4
<b>8006-64-2 Turpentine, oil</b>	
PEL	Long-term value: 560 mg/m <sup>3</sup> , 100 ppm

(Contd. on page 8)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 7)

REL	Long-term value: 560 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 20 ppm DSEN, A4

· **Ingredients with biological limit values:**

**108-93-0 cyclohexanol**

BEI	- Medium: urine Time: end of shift at end of workweek Parameter: 1,2-Cyclohexanediol (with hydrolysis, nonspecific, nonquantitative)
-	- Medium: urine Time: end of shift Parameter: Cyclohexanol (with hydrolysis, nonspecific, nonquantitative)

**1330-20-7 xylene, mixture of isomers**

BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
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· **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 skin.



Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:** Protective gloves

· **Material of gloves**

Nitrile rubber, NBR  
Chemical resistant gloves

· **Eye protection:** Tightly sealed goggles

## 9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

<b>Form:</b>	Fluid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic

(Contd. on page 9)

US



# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 8)

· <b>Odor threshold:</b>	Not determined.
· <b>pH-value:</b>	Neutral Not determined.
· <b>Change in condition</b> <b>Melting point/Melting range:</b> <b>Boiling point/Boiling range:</b>	Undetermined. 100 °C (212 °F)
· <b>Flash point:</b>	21 °C (69.8 °F) (ISO 3679)
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Ignition temperature:</b>	290 °C (554 °F)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· <b>Explosion limits:</b> <b>Lower:</b> <b>Upper:</b>	2 Vol % 11.2 Vol %
· <b>Vapor pressure at 20 °C (68 °F):</b>	20 hPa (15 mm Hg)
· <b>Density:</b> · <b>Relative density</b> · <b>Vapor density</b> · <b>Evaporation rate</b>	Not determined. Not determined. Not determined. 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> <b>Kinematic:</b>	Not determined. Not determined.
· <b>Solvent content:</b> <b>Organic solvents:</b> <b>Solvent (USA):</b>	27.4 % 27.37 % 273.7 g/l / 2.28 lb/gal
<b>Solids content:</b>	49.4 %
· <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.

(Contd. on page 10)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 9)

· **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:

**110-19-0 isobutyl acetate**

Oral LD50 4,763 mg/kg (rabbit)

**108-93-0 cyclohexanol**

Oral LD50 2,060 mg/kg (rat)

**125-12-2 Isobornyl acetate**

Oral LD50 10,000 mg/kg (rat)

Dermal LD50 20,000 mg/kg (rabbit)

**108-94-1 cyclohexanone**

Oral LD50 1,900 mg/kg (rat)

Dermal LD50 948 mg/kg (rabbit)

Inhalative LC50/4 h 8,000 mg/L (rat)

**1330-20-7 xylene, mixture of isomers**

Oral LD50 8,700 mg/kg (rat)

Dermal LD50 2,000 mg/kg (rabbit)

Inhalative LD50 >100 mg/L (microbiological activity)  
0.1 DY

LC50/4 h 6,350 mg/L (rat)

**100-52-7 benzaldehyde**

Oral LD50 1,300 mg/kg (rat)

**92-52-4 biphenyl**

Oral LD50 2,140 mg/kg (rat)

**141-78-6 ethyl acetate**

Oral LD50 4,935 mg/kg (rabbit)

Inhalative LC50/4 h 1,600 mg/L (rat)

**95-50-1 1,2-dichlorobenzene**

Oral LD50 1,516 mg/kg (rat)

Dermal LD50 &gt;10,000 mg/kg (rabbit)

Inhalative LC50/4 h 14.04 mg/L (rat)

**8006-64-2 Turpentine, oil**

Oral LD50 3,700 mg/kg (rat)

Dermal LD50 &gt;2,000 mg/kg (rat)

Inhalative LC50/4 h 13.7 mg/L (rat)

NOAEC 283.24 mg/m<sup>3</sup> (mouse)

Vapour may cause respiratory irritation (based on read-across from experimentally obtained data on a different but relevant substance. Moderate hyperplasia observed in the transitional epithelium of the urinary bladder in animal studies.

(Contd. on page 11)

-US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 10)

**628-63-7 pentyl acetate**

Oral LD50 6,500 mg/kg (rat)

**Turpentine, oil**

Oral LD50 3,700 mg/kg (rat)

NOAEL 987 mg/kg/24h (rat)

Dermal LD50 &gt;2,000 mg/kg (rat)

Inhalative LC50/4 h 13.7 mg/L (rat)

NOAEC 283.24 mg/m<sup>3</sup> (mouse)

Vapour may cause respiratory irritation (based on read-across from experimentally obtained data on a different but relevant substance. Moderate hyperplasia observed in the transitional epithelium of the urinary bladder in animal studies.

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **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:

Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

108-94-1 cyclohexanone

3

1330-20-7 xylene, mixture of isomers

3

95-50-1 1,2-dichlorobenzene

3

- **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:**

**108-94-1 cyclohexanone**

Oral LC50/96 h (dynamic) 527 mg/L (fish)

LC50/48 h 536 mg/L (fish)

EC50/48 h 820 mg/L (daphnia)

**1330-20-7 xylene, mixture of isomers**Oral LC50/96 h 13.4 mg/L (fish)  
Pimephales promelas

LC50/72h 4.6 mg/L (algae)

LC50/96 h 2.6 mg/L (fish)  
Oncorhynchus mykiss

EC50/48 h 3.82 mg/L (daphnia)

(Contd. on page 12)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 11)

	Bio concentration factor (28d)	23.99
	NOEC/7 d	960 µg/L (daphnia)
<b>92-52-4 biphenyl</b>		
Oral	LC50/48 h	2.1 mg/L (daphnia)
	LC50/96 h	1.5 mg/L (fish) S. gairdnerii
	EC50/48 h	2.1 mg/L (daphnia)
<b>95-50-1 1,2-dichlorobenzene</b>		
Oral	LC50/96 h (static)	1.52 mg/L (fish) Oncorhynchus mykiss
<b>8006-64-2 Turpentine, oil</b>		
Oral	LC50/96 h	29 mg/L (fish) danio rerio
		736 mg/L (microbiological activity)
	EC50/48 h	8.8 mg/L (daphnia)
	EC50/96 h	17.1 mg/L (algae)
	NOEC	10 mg/L (algae) 5 mg/L (fish) danio rerio 10 mg/L (microbiological activity)
<b>Turpentine, oil</b>		
Oral	LC50/96 h	29 mg/L (fish) danio rerio
		736 mg/L (microbiological activity)
	EC50/3 h	736 mg/L (microbiological activity)
	EC50/48 h	8.8 mg/L (daphnia)
	EC50/72 h	17.1 µg/L (algae) desmodesmus subspicatus
	EC50/96 h	17.1 mg/L (algae)
	NOEC	10 mg/L (algae) 5 mg/L (fish) danio rerio 10 mg/L (microbiological activity)

- **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.

(Contd. on page 13)

-US-

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**



(Contd. of page 12)

- **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

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>DOT, IMDG, IATA</b></li> </ul>  | UN1263   |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>DOT</b></li> <li>· <b>IMDG, IATA</b></li> </ul>   | Paint<br>PAINT   |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>DOT</b></li> </ul>   | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>  | 3 Flammable liquids<br>3   |
| <ul style="list-style-type: none"> <li>· <b>IMDG, IATA</b></li> </ul>   | <div style="text-align: center;">  </div> |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>  | 3 Flammable liquids<br>3   |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· <b>DOT, IMDG, IATA</b></li> </ul>  | II   |
| <ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>   | No   |
| <ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> <li>· <b>Hazard identification number (Kemler code):</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Segregation groups</b></li> <li>· <b>Stowage Category</b></li> </ul> | Warning: Flammable liquids<br>33<br>F-E,S-E<br>(SGG10) Liquid halogenated hydrocarbons<br>B                                  |
| <ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>  | Not applicable.  |

(Contd. on page 14)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 13)

- **Transport/Additional information:**

- **DOT**

- **Quantity limitations**

On passenger aircraft/rail: 5 L  
On cargo aircraft only: 60 L

- **IMDG**

- **Limited quantities (LQ)**

5L

- **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

- **UN "Model Regulation":**

UN 1263 PAINT (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 3, II

## 15 Regulatory information

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

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

None of the ingredients is listed.

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

26678-93-3	formaldehyde, polymer with 4-(1,1,3,3 tetramethylbutyl)phenol	*
108-93-0	cyclohexanol	*
1330-20-7	xylene, mixture of isomers	*
92-52-4	biphenyl	*

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

68365-87-7	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate	ACTIVE
110-19-0	isobutyl acetate	ACTIVE
26678-93-3	formaldehyde, polymer with 4-(1,1,3,3 tetramethylbutyl)phenol	ACTIVE
108-93-0	cyclohexanol	ACTIVE
125-12-2	Isobornyl acetate	ACTIVE
1330-20-7	xylene, mixture of isomers	ACTIVE
100-52-7	benzaldehyde	ACTIVE
65997-05-9	polymerised rosin	ACTIVE
92-52-4	biphenyl	ACTIVE
141-78-6	ethyl acetate	ACTIVE
67874-71-9	bismuth octoate	ACTIVE
95-50-1	1,2-dichlorobenzene	ACTIVE
7704-34-9	sulphur	ACTIVE
61788-69-0	Chromium naphthenate	ACTIVE
628-63-7	pentyl acetate	ACTIVE
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	ACTIVE
8006-64-2	Turpentine, oil	ACTIVE
8000-28-0	lavender oil	ACTIVE
78-70-6	Linalool	ACTIVE

(Contd. on page 15)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 14)

	cellulose, ethyl ether	ACTIVE
80-26-2	alpha-Terpineol acetate	ACTIVE
8000-41-7	terpineol	ACTIVE
507-70-0	Borneol	ACTIVE
84625-32-1	eucalyptus globulus extr.	*
78-59-1	isophorone	ACTIVE

· **Hazardous Air Pollutants**

1330-20-7	xylene, mixture of isomers
92-52-4	biphenyl
78-59-1	isophorone

· **Proposition 65**

· **Warning: This product contains a chemical known to the State of California to cause cancer**

None of the ingredients is listed.

· **Warning: This product contains a chemical known to the State of California to cause female reproductive hazards.**

None of the ingredients is listed.

· **Warning: This product contains a chemical known to the State of California to cause male reproductive hazards**

None of the ingredients is listed.

· **Warning: This product contains a chemical known to the State of California to cause development toxicity**

None of the ingredients is listed.

· **Canadian Ingredient disclosure list**

· **Limit 0,1%**

108-94-1	cyclohexanone
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· **Limit 1%**

110-19-0	isobutyl acetate
108-93-0	cyclohexanol
100-52-7	benzaldehyde
92-52-4	biphenyl
141-78-6	ethyl acetate

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

1330-20-7	xylene, mixture of isomers	I
92-52-4	biphenyl	SC

· **TLV (Threshold Limit Value established by ACGIH) notations**

108-94-1	cyclohexanone	A3
1330-20-7	xylene, mixture of isomers	A4

· **MAK (German Maximum Workplace Concentration)**

108-94-1	cyclohexanone	3B	5.475%
92-52-4	biphenyl	3B	1.19%
8006-64-2	Turpentine, oil	3A	0.111%
78-59-1	isophorone	3B	0.0002%

(Contd. on page 16)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 15)

<ul style="list-style-type: none"> <li>· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b></li> </ul>
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None of the ingredients is listed.
------------------------------------

- **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

- **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.

- **Relevant phrases**

- H225 Highly flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- H227 Combustible liquid.
- H228 Flammable solid.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.

- **Contact:**

S. Carter  
EHS Specialist

- **Date of preparation / last revision** 04/30/2023

- **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  
 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)  
 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  
 Flammable Liquids 2: Flammable liquids – Category 2  
 Flammable Liquids 3: Flammable liquids – Category 3  
 Flammable Liquids 4: Flammable liquids – Category 4  
 Flammable Solids 2: Flammable solids – Category 2  
 Acute Toxicity - Oral 4: Acute toxicity – Category 4

(Contd. on page 17)



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 04/30/2023

Version 17

Reviewed on 04/30/2023

Product ID#: **HOBBY BRIGHT BRUSHING GOLD LUSTER****GBC7914-H**

(Contd. of page 16)

Acute Toxicity - Dermal 3: Acute toxicity – Category 3

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - Skin 1: Skin sensitisation – Category 1

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

Aspiration Hazard 1: Aspiration hazard – Category 1

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

US