

30574-9140



Safety Data Sheet acc. to OSHA HCS

Page 1/16

Version 17

Reviewed on 07/26/2021

1 Identification

Product ID#: Duncan OG 801 Bright Gold

Product Use: Coating compound/ Surface coating/ paint

Manufacturer/Supplier:

Coloramics dba Mayco
4077 Weaver Court
South Hilliard, OH 43026
614-675-2020
614-675-2054 (Fax)
www.MaycoColors.com

Emergency telephone numbers

Health Emergencies:

614-675-2020 7:30 am – 5:30 pm ET

**For Hazardous Materials Incident [or Dangerous Goods]
Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC**

1-800-424-9300 U.S. and Canada

1-703-741-5970 International

2 Hazard(s) identification

• **Classification of the substance or mixture**

| | |
|-------------------|---|
| Flam. Liq. 2 | H225 Highly flammable liquid and vapor. |
| Skin Irrit. 2 | H315 Causes skin irritation. |
| Skin Sens. 1 | H317 May cause an allergic skin reaction. |
| Aquatic Acute 3 | H402 Harmful to aquatic life. |
| Aquatic Chronic 3 | H412 Harmful to aquatic life with long lasting effects. |

• **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.
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 2)

US

Safety Data Sheet acc. to OSHA HCS

Page 2/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 1)

- **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. |
| 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. |
| P273 | Avoid release to the environment. |
| 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 ₂ , 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

(Contd. on page 3)
US

Safety Data Sheet
acc. to OSHA HCS

Page 3/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 2)

| · Hazardous components: | | |
|--|--|-------------|
| CAS: 68365-87-7 EINECS: 269-858-3 | aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate ⚠ Flam. Sol. 2, H228 | >20-<30% |
| CAS: 110-19-0 EINECS: 203-745-1 | isobutyl acetate ⚠ Flam. Liq. 2, H225 | ≤15.0% |
| CAS: 108-93-0 EINECS: 203-630-6 RTECS: GV 7875000 | cyclohexanol ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H332; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Flam. Liq. 4, H227 | >10-<15% |
| CAS: 125-12-2 EINECS: 204-727-6 | Isobornyl acetate Flam. Liq. 4, H227 | >8-<10% |
| CAS: 108-94-1 EINECS: 203-631-1 RTECS: GW 1050000 | cyclohexanone ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 3, H311; ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H332 | >4-<6% |
| CAS: 1330-20-7 EINECS: 215-535-7 RTECS: ZE 2100000 | xylene, mixture of isomers ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2A, H319 | >4-<5% |
| CAS: 100-52-7 EINECS: 202-860-4 RTECS: CU 4375000 | benzaldehyde ⚠ Acute Tox. 4, H302; Flam. Liq. 4, H227 | >2-<2.5% |
| CAS: 92-52-4 EINECS: 202-163-5 RTECS: DU 8050000 | biphenyl ⚠ Aquatic Acute 1, H400; ⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H335 | >1-<1.5% |
| CAS: 141-78-6 EINECS: 205-500-4 RTECS: AH 5425000 | ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336 | >1-<1.5% |
| CAS: 67874-71-9 | bismuth octoate Flam. Liq. 4, H227 | ≤1.0% |
| CAS: 95-50-1 EINECS: 202-425-9 RTECS: CZ 4500000 | 1,2-dichlorobenzene ⚠ Aquatic Acute 1, H400; ⚠ Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H332; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2A, H319; ⚠ Skin Sens. 1, H317; STOT SE 3, H335; Flam. Liq. 4, H227 | ≥0.25-<0.5% |
| CAS: 8006-64-2 EINECS: 232-350-7 RTECS: YO8400000 | Turpentine, oil ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H312; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2A, H319; ⚠ Skin Sens. 1, H317; ⚠ Aquatic Acute 2, H401 | ≥0.25-<0.5% |
| CAS: 628-63-7 EINECS: 211-047-3 RTECS: AJ 2010000 | pentyl acetate ⚠ Flam. Liq. 3, H226 | <0.5% |
| CAS: 8006-64-2 EINECS: 232-350-7 RTECS: YO8400000 | Turpentine, oil Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; ⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2A, H319; ⚠ Skin Sens. 1, H317 | ≥0.1-<0.25% |
| · Main components: | | |
| CAS: 68365-87-7 EINECS: 269-858-3 | aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate ⚠ Flam. Sol. 2, H228 | >20-<30% |

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Page 4/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

| | | (Contd. of page 3) |
|--|---|--------------------|
| CAS: 110-19-0 EINECS: 203-745-1 | isobutyl acetate ⚠ Flam. Liq. 2, H225 | ≤15.0% |
| 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 Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335; Flam. Liq. 4, H227 | >10-<15% |
| CAS: 125-12-2 EINECS: 204-727-6 | Isobornyl acetate Flam. Liq. 4, H227 | >8-<10% |
| CAS: 108-94-1 EINECS: 203-631-1 RTECS: GW 1050000 | cyclohexanone ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 3, H311; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332 | >4-<6% |
| CAS: 1330-20-7 EINECS: 215-535-7 RTECS: ZE 2100000 | xylene, mixture of isomers ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319 | >4-<5% |
| CAS: 100-52-7 EINECS: 202-860-4 RTECS: CU 4375000 | benzaldehyde ⚠ Acute Tox. 4, H302; Flam. Liq. 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 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335 | >1-<1.5% |
| CAS: 141-78-6 EINECS: 205-500-4 RTECS: AH 5425000 | ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336 | >1-<1.5% |
| CAS: 67874-71-9 | bismuth octoate Flam. Liq. 4, H227 | ≤1.0% |
| CAS: 95-50-1 EINECS: 202-425-9 RTECS: CZ 4500000 | 1,2-dichlorobenzene ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335; Flam. Liq. 4, H227 | ≥0.25-<0.5% |
| CAS: 8006-64-2 EINECS: 232-350-7 RTECS: YO8400000 | Turpentine, oil ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; Aquatic Acute 2, H401 | ≥0.25-<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.

(Contd. on page 4)

Safety Data Sheet acc. to OSHA HCS

Page 5/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 5)

- In case of unconsciousness place patient stably in side position for transportation.
- **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:** CO₂, 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 |
|----------|------------------|-----------|

(Contd. on page 6)
us

Safety Data Sheet acc. to OSHA HCS

Page 6/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

| | | (Contd. of page 6) |
|-----------------|----------------------------|--------------------|
| 108-93-0 | cyclohexanol | 580 ppm |
| 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 |
| · PAC-3: | | |
| 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 ³ , 150 ppm |
|-----|--|

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Page 7/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 7)

| | |
|-----|--|
| REL | Long-term value: 700 mg/m ³ , 150 ppm |
| TLV | Short-term value: 150 ppm Long-term value: 50 ppm |

108-93-0 cyclohexanol

| | |
|-----|---|
| PEL | Long-term value: 200 mg/m ³ , 50 ppm |
| REL | Long-term value: 200 mg/m ³ , 50 ppm Skin |
| TLV | Long-term value: 50 ppm Skin, BEI |

1330-20-7 xylene, mixture of isomers

| | |
|-----|---|
| PEL | Long-term value: 435 mg/m ³ , 100 ppm |
| REL | Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm |
| TLV | Short-term value: (150) ppm Long-term value: (100) NIC-20 ppm BEI, A4 |

100-52-7 benzaldehyde

| | |
|------|---|
| WEEL | Short-term value: 4 ppm Long-term value: 2 ppm DSEN |
|------|---|

92-52-4 biphenyl

| | |
|-----|--|
| PEL | Long-term value: 1 mg/m ³ , 0.2 ppm |
| REL | Long-term value: 1 mg/m ³ , 0.2 ppm |
| TLV | Long-term value: 0.2 ppm |

141-78-6 ethyl acetate

| | |
|-----|---|
| PEL | Long-term value: 1400 mg/m ³ , 400 ppm |
| REL | Long-term value: 1400 mg/m ³ , 400 ppm |
| TLV | Long-term value: 400 ppm |

95-50-1 1,2-dichlorobenzene

| | |
|-----|---|
| PEL | Ceiling limit value: 300 mg/m ³ , 50 ppm |
| REL | Ceiling limit value: 300 mg/m ³ , 50 ppm |
| TLV | Short-term value: 50 ppm Long-term value: 25 ppm A4 |

628-63-7 pentyl acetate

| | |
|-----|--|
| PEL | Long-term value: 525 mg/m ³ , 100 ppm |
| REL | Long-term value: 525 mg/m ³ , 100 ppm |
| TLV | Short-term value: 100 ppm Long-term value: 50 ppm |

8006-64-2 Turpentine, oil

| | |
|-----|--|
| PEL | Long-term value: 560 mg/m ³ , 100 ppm |
| REL | Long-term value: 560 mg/m ³ , 100 ppm |
| TLV | Long-term value: 20 ppm DSEN, A4 |

(Contd. on page 8)

US

Safety Data Sheet

acc. to OSHA HCS

Page 8/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 8)

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

· **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:**

Form:

Fluid

Color:

According to product specification

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined.

· **pH-value:**

Neutral

(Contd. on page 9)

us

Safety Data Sheet
acc. to OSHA HCS

Page 9/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 9)

| | |
|---|--|
| · Change in condition Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | 100 °C (212 °F) |
| · Flash point: | 21 °C (69.8 °F) (ISO 3679) |
| · Flammability (solid, gaseous): | Not applicable. |
| · Ignition temperature: | 290 °C (554 °F) |
| · Decomposition temperature: | Not determined. |
| · Auto igniting: | Product is not selfigniting. |
| · Danger of explosion: | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · Explosion limits: Lower: | 2 Vol % |
| Upper: | 11.2 Vol % |
| · Vapor pressure at 20 °C (68 °F): | 20 hPa (15 mm Hg) |
| · Density: | Not determined. |
| · Relative density | Not determined. |
| · 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: | 27.4 % |
| Solvent (USA): | 27.37 % 273.7 g/l / 2.28 lb/gal |
| Solids content: | 49.2 % |
| · 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.

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Page 10/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 9)

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 | >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 | >2,000 mg/kg (rat) |
|--------|------|--------------------|

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

| | | |
|--|-------|----------------------------------|
| | NOAEC | 283.24 mg/m ³ (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.

628-63-7 pentyl acetate

| | | |
|------|------|-------------------|
| Oral | LD50 | 6,500 mg/kg (rat) |
|------|------|-------------------|

(Contd. on page 11)

US

Safety Data Sheet
acc. to OSHA HCS

Page 11/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 10)

- **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) |
| | Bio concentration factor (28d) | 23.99 |
| | NOEC/7 d | 960 µg/L (daphnia) |

92-52-4 biphenyl

| | | |
|------|-----------|----------------------------------|
| 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) |

95-50-1 1,2-dichlorobenzene

| | | |
|------|--------------------|---|
| Oral | LC50/96 h (static) | 1.52 mg/L (fish) Oncorhynchus mykiss |
|------|--------------------|---|

(Contd. on page 12)

us

Safety Data Sheet

acc. to OSHA HCS

Page 12/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 11)

| 8006-64-2 Turpentine, oil | | |
|---------------------------|-----------|-------------------------------------|
| 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) |

- **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.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **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.
Harmful to aquatic organisms
- **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, IMDG, IATA | UN1263 |
| · UN proper shipping name | |
| · DOT | Paint |
| · IMDG, IATA | PAINT |

(Contd. on page 13)

us

Safety Data Sheet
acc. to OSHA HCS



Page 13/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 11)

| | |
|--|---|
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT  <ul style="list-style-type: none"> · Class · Label | <p>3 Flammable liquids 3</p> |
| <ul style="list-style-type: none"> · IMDG, IATA  <ul style="list-style-type: none"> · Class · Label | <p>3 Flammable liquids 3</p> |
| <ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA | <p>II</p> |
| <ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: | <p>No</p> |
| <ul style="list-style-type: none"> · Special precautions for user | <p>Warning: Flammable liquids</p> |
| <ul style="list-style-type: none"> · Hazard identification number (Kemler code): | <p>33</p> |
| <ul style="list-style-type: none"> · EMS Number: | <p>F-E, S-E</p> |
| <ul style="list-style-type: none"> · Segregation groups | <p>Liquid halogenated hydrocarbons</p> |
| <ul style="list-style-type: none"> · Stowage Category | <p>B</p> |
| <ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | <p>Not applicable.</p> |
| <ul style="list-style-type: none"> · Transport/Additional information: · DOT · Quantity limitations | <p>On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L</p> |
| <ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | <p>5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p> |
| <ul style="list-style-type: none"> · UN "Model Regulation": | <p>UN 1263 PAINT (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 3, II</p> |

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.

(Contd. on page 14)

us

Safety Data Sheet
acc. to OSHA HCS

Page 14/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 11)

· 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 |
| | 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.

(Contd. on page 15)

US

Safety Data Sheet
acc. to OSHA HCS

Page 15/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 11)

· **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

· **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%

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

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.

(Contd. on page 16)

US

Safety Data Sheet
acc. to OSHA HCS

Page 16/16

Version 17

Reviewed on 07/26/2021

Product ID#: Duncan OG 801 Bright Gold

(Contd. of page 11)

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.
 H400 Very toxic to aquatic life.
 H401 Toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H411 Toxic to aquatic life with long lasting effects.

• **Contact:**

S. Carter
 EHS Specialist

• **Date of preparation / last revision 07/26/2021 / 16**

• **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
 Flam. Liq. 2: Flammable liquids – Category 2
 Flam. Liq. 3: Flammable liquids – Category 3
 Flam. Liq. 4: Flammable liquids – Category 4
 Flam. Sol. 2: Flammable solids – Category 2
 Acute Tox. 4: Acute toxicity – Category 4
 Acute Tox. 3: Acute toxicity – Category 3
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 Skin Sens. 1: Skin sensitisation – Category 1
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2
 Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

US