



## Safety Data Sheet acc. to OSHA HCS

Page 1/16

Version 7

Reviewed on 07/22/2021

### 1 Identification

**Product ID#:** Duncan OG 805 Premium 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 7:30am-5:30pm ET

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

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. 3	H226 Flammable liquid and vapor.
Acute Tox. 4	H302 Harmful if swallowed.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Carc. 2	H351 Suspected of causing cancer.
STOT SE 2	H371 May cause damage to organs.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
Aquatic Acute 2	H401 Toxic to aquatic life.
Aquatic Chronic 2	H411 Toxic 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 GHS08 GHS09

· **Signal word** Danger

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

eucalyptus globulus extr.  
clove, ext.  
alpha-Pinene

(Contd. on page 2)

us

# Safety Data Sheet

acc. to OSHA HCS

Page 2/16

Version 7

Reviewed on 07/22/2021

Product ID#: **Duncan OG 805 Premium Gold**

(Contd. of page 1)

1,2-dichlorobenzene

· **Hazard statements**

H226 Flammable liquid and vapor.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H371 May cause damage to organs.  
H304 May be fatal if swallowed and enters airways.  
H401 Toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
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.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
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.  
P301+P310 If swallowed: Immediately call a poison center/doctor.  
P321 Specific treatment (see on this label).  
P330 Rinse mouth.  
P331 Do NOT induce vomiting.  
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P370+P378 In case of fire: Use CO2, sand, extinguishing powder to extinguish.  
P391 Collect spillage.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
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

(Contd. on page 3)

US

# Safety Data Sheet

acc. to OSHA HCS

Page 3/16

Version 7

Reviewed on 07/22/2021

**Product ID#: Duncan OG 805 Premium Gold**

(Contd. of page 2)

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



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



- **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: 84625-32-1 EINECS: 283-406-2	eucalyptus globulus extr. ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317; Aquatic Acute 2, H401	>30-<40%
CAS: 68365-87-7 EINECS: 269-858-3	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate ⚠ Flam. Sol. 2, H228	>15-<20%
CAS: 78-70-6 EINECS: 201-134-4 RTECS: RG 5775000	Linalool ⚠ Skin Sens. 1B, H317; Flam. Liq. 4, H227	>6-<8%
CAS: 80-56-8 EINECS: 201-291-9	alpha-Pinene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Aquatic Acute 2, H401	>4-<6%
CAS: 84961-50-2 EINECS: 284-638-7	clove, ext. Alternative CAS number: 8000-34-8 ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; ⚠ Skin Irrit. 2, H315	>4-<6%

(Contd. on page 4)

us

# Safety Data Sheet

acc. to OSHA HCS

Page 4/16

Version 7

Reviewed on 07/22/2021

**Product ID#: Duncan OG 805 Premium Gold**

(Contd. of page 3)

CAS: 8000-28-0 EINECS: 289-995-2	lavender oil Consisting of: 78-70-6 Linalool (≥30-<50%); 115-95-7 linalyl acetate (≥10-<25%); 470-82-6 eucalyptol (≥1-<10%); 76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (≥1-<10%); 562-74-3 4-Carvomenthenol (≥1-<10%) Alternative CAS number: 84776-65-8 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; Flam. Liq. 4, H227; Aquatic Acute 3, H402; Aquatic Chronic 3, H412	≥2.5-<3%
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	≥2.5-<3%
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	>2-<2.5%
CAS: 8000-25-7 EINECS: 283-291-9	rosemary extr. Consisting of: 470-82-6 eucalyptol (≥30-<45%); 76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (≥5-<15%); 80-56-8 alpha-Pinene (≥10-<20%); 106-22-9 dl-Citronellol (≥1-<10%); 127-91-3 beta-pinene (≥1-<10%) Alternative CAS number: 84604-14-8 ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 2, H371; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 2, H401	>1.5-<2%
CAS: 76-22-2 EINECS: 200-945-0 RTECS: EX1225000	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one ⚠ Flam. Sol. 2, H228; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	>1-<1.5%
CAS: 71819-51-7 EINECS: 201-635-8 RTECS: QL 5775000	1-(2-methyl-4-(2-methylphenylazo)phenylazo)-2-naphthol ⚠ Acute Tox. 3, H311; ⚠ Acute Tox. 4, H332	>0.5-<1%
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	≥0.25-<0.5%
CAS: 104-46-1 EINECS: 203-205-5 RTECS: BZ 8925000	Anethole (isomer unspecified) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317; Eye Irrit. 2B, H320; Aquatic Acute 2, H401	≥0.25-<0.5%
CAS: 3444-17-5 EINECS: 222-357-3	chromium 2-ethylhexanoate ⚠ Acute Tox. 3, H301; ⚠ Skin Sens. 1, H317	≥0.1-<0.5%
CAS: 78-59-1 EINECS: 201-126-0 RTECS: GW 7700000	isophorone Carc. 2, H351; Acute Tox. 4, H302; Acute Tox. 4, H312; Eye Irrit. 2A, H319; STOT SE 3, H335; Flam. Liq. 4, H227	≥0.1-<0.5%
<b>· Main components:</b>		
CAS: 84625-32-1 EINECS: 283-406-2	eucalyptus globulus extr. ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317; Aquatic Acute 2, H401	>30-<40%

US

# Safety Data Sheet

## acc. to OSHA HCS

Page 5/16

Version 7

Reviewed on 07/22/2021

### Product ID#: **Duncan OG 805 Premium Gold**

CAS: 68365-87-7 EINECS: 269-858-3	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate ⚠ Flam. Sol. 2, H228	>15-<20%
CAS: 78-70-6 EINECS: 201-134-4 RTECS: RG 5775000	Linalool ⚠ Skin Sens. 1B, H317; Flam. Liq. 4, H227	>6-<8%
CAS: 80-56-8 EINECS: 201-291-9	alpha-Pinene ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Aquatic Acute 2, H401	>4-<6%
CAS: 84961-50-2 EINECS: 284-638-7	clove, ext. Alternative CAS number: 8000-34-8 ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; ⚠ Skin Irrit. 2, H315	>4-<6%
CAS: 8000-28-0 EINECS: 289-995-2	lavender oil Consisting of: 78-70-6 Linalool (≥30-<50%); 115-95-7 linalyl acetate (≥10-<25%); 470-82-6 eucalyptol (≥1-<10%); 76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (≥1-<10%); 562-74-3 4-Carvomenthenol (≥1-<10%) Alternative CAS number: 84776-65-8 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; Flam. Liq. 4, H227; Aquatic Acute 3, H402; Aquatic Chronic 3, H412	≥2.5-<3%
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	≥2.5-<3%
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	>2-<2.5%
CAS: 8000-25-7 EINECS: 283-291-9	rosemary extr. Consisting of: 470-82-6 eucalyptol (≥30-<45%); 76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one (≥5-<15%); 80-56-8 alpha-Pinene (≥10-<20%); 106-22-9 dl-Citronellol (≥1-<10%); 127-91-3 beta-pinene (≥1-<10%) Alternative CAS number: 84604-14-8 ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 2, H371; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 2, H401	>1.5-<2%
CAS: 76-22-2 EINECS: 200-945-0 RTECS: EX1225000	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one ⚠ Flam. Sol. 2, H228; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	>1-<1.5%
CAS: 7704-34-9 EINECS: 231-722-6	sulphur	>0.5-<1%
CAS: 68956-80-9 EINECS: 273-319-8	Bi resinat	>0.5-<1%
CAS: 71819-51-7 EINECS: 201-635-8 RTECS: QL 5775000	1-(2-methyl-4-(2-methylphenylazo)phenylazo)-2-naphthol ⚠ Acute Tox. 3, H311; ⚠ Acute Tox. 4, H332	>0.5-<1%
CAS: 104-76-7 EINECS: 203-234-3 RTECS: MP 0350000	2-Ethyl-1-hexanol Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335; Flam. Liq. 4, H227	>0.5-<1%

# Safety Data Sheet

acc. to OSHA HCS

Page 6/16

Version 7

Reviewed on 07/22/2021

Product ID#: **Duncan OG 805 Premium Gold**

(Contd. of page 6)

- **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.  
Supply fresh air and to be sure call for a doctor.  
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. 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>, 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 full face positive pressure air supply respirators  
Wear protective equipment. Keep unprotected persons away.  
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

(Contd. on page 6)

US

# Safety Data Sheet

acc. to OSHA HCS

Page 7/16

Version 7

Reviewed on 07/22/2021

Product ID#: **Duncan OG 805 Premium Gold**

(Contd. of page 6)

· **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:**

95-50-1	1,2-dichlorobenzene	50 ppm
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· **PAC-2:**

95-50-1	1,2-dichlorobenzene	170 ppm
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· **PAC-3:**

95-50-1	1,2-dichlorobenzene	1,000 ppm
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## 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.

**80-56-8 alpha-Pinene**

TLV	Long-term value: 112 mg/m <sup>3</sup> , 20 ppm
	DSEN

(Contd. on page 8)

us

# Safety Data Sheet

acc. to OSHA HCS

Page 8/16

Version 7

Reviewed on 07/22/2021

Product ID#: **Duncan OG 805 Premium Gold**

(Contd. of page 7)

### 95-50-1 1,2-dichlorobenzene

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

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

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	Short-term value: (150) ppm Long-term value: (100) NIC-20 ppm BEI, A4

### 78-59-1 isophorone

PEL	Long-term value: 140 mg/m <sup>3</sup> , 25 ppm
REL	Long-term value: 23 mg/m <sup>3</sup> , 4 ppm
TLV	Ceiling limit value: 5 ppm A3

#### · **Ingredients with biological limit values:**

### 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.  
Store protective clothing separately.



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

US

(Contd. on page 9)



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

Product ID#: **Duncan OG 805 Premium Gold**

(Contd. of page 7)

**9 Physical and chemical properties**

<ul style="list-style-type: none"> <li>· Information on basic physical and chemical properties</li> <li>· General Information</li> <li>· Appearance: <ul style="list-style-type: none"> <li>Form: Liquid</li> <li>Color: Red-brown</li> </ul> </li> <li>· Odor: Pleasant</li> <li>· Odor threshold: Not determined.</li> </ul>	
· pH-value:	Neutral
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	156 °C (312.8 °F)
· Flash point:	33 °C (91.4 °F) (ISO 3679)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	235 °C (455 °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:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· 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:	60.9 %
Solvent (USA):	60.87 % 608.7 g/l / 5.08 lb/gal
Solids content:	32.6 %
· Other information	No further relevant information available.

(Contd. on page 10)

**Product ID#: Duncan OG 805 Premium Gold**

(Contd. of page 9)

### 10 Stability and reactivity

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

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

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 <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.
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)
8000-25-7 rosemary extr.		
Oral	LD50	5,000 mg/kg (rat)
76-22-2 1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one		
Oral	LD50	1,310 mg/kg (mouse)
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)
104-46-1 Anethole (isomer unspecified)		
Oral	LD50	2,090 mg/kg (rat)
64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rabbit)
78-59-1 isophorone		
Oral	LD50	1,500 mg/kg (rabbit)

(Contd. on page 11)

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

Page 11/16

Version 7

Reviewed on 07/22/2021

**Product ID#: Duncan OG 805 Premium Gold**

(Contd. of page 10)

Dermal	LD50	1,500 mg/kg (rabbit)
<ul style="list-style-type: none"> <li>· <b>Primary irritant effect:</b></li> <li>· <b>on the skin:</b> Irritant to skin and mucous membranes.</li> <li>· <b>on the eye:</b> Irritating effect.</li> <li>· <b>Sensitization:</b> Sensitization possible through skin contact.</li> <li>· <b>Additional toxicological information:</b> The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Irritant</li> <li>· <b>Carcinogenic categories</b></li> </ul>		
<ul style="list-style-type: none"> <li>· <b>IARC (International Agency for Research on Cancer)</b></li> </ul>		
95-50-1	1,2-dichlorobenzene	3
1330-20-7	xylene, mixture of isomers	3
<ul style="list-style-type: none"> <li>· <b>NTP (National Toxicology Program)</b></li> </ul>		
None of the ingredients is listed.		
<ul style="list-style-type: none"> <li>· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b></li> </ul>		
None of the ingredients is listed.		
<ul style="list-style-type: none"> <li>· <b>CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)</b></li> </ul>		
Carc. 2		

**12 Ecological information**

· **Toxicity**

<ul style="list-style-type: none"> <li>· <b>Aquatic toxicity:</b></li> </ul>		
<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>95-50-1 1,2-dichlorobenzene</b>		
Oral	LC50/96 h (static)	1.52 mg/L (fish) Oncorhynchus mykiss
<b>8000-25-7 rosemary extr.</b>		
Oral	LC50/48 h	6.7 mg/L (fish) (DIN 38412 T.15) golden orfe
	EC50/24 h	25.2 mg/L (daphnia) (DIN 38412, 11)
<b>1330-20-7 xylene, mixture of isomers</b>		
Oral	LC50/96 h	13.4 mg/L (fish) Pimephales promelas

(Contd. on page 12)

# Safety Data Sheet

acc. to OSHA HCS

Page 12/16

Version 7

Reviewed on 07/22/2021

**Product ID#: Duncan OG 805 Premium Gold**

(Contd. of page 11)

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)

- **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:** Toxic for 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.  
Also poisonous for fish and plankton in water bodies.  
Toxic for 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

· <b>UN-Number</b> · <b>DOT, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>DOT</b>	Flammable liquids, n.o.s. (eucalyptus globulus extr., alpha-Pinene)
· <b>IMDG, IATA</b>	FLAMMABLE LIQUID, N.O.S. (eucalyptus globulus extr., alpha-PINENE)

(Contd. on page 13)

us

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



Page 13/16

Version 7

Reviewed on 07/22/2021

**Product ID#: Duncan OG 805 Premium Gold**

(Contd. of page 11)

<ul style="list-style-type: none"> <li>· Transport hazard class(es)</li> <li>· DOT</li> </ul>  <ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<p>3 Flammable liquids 3</p>
<ul style="list-style-type: none"> <li>· IMDG, IATA</li> </ul>  <ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<p>3 Flammable liquids 3</p>
<ul style="list-style-type: none"> <li>· Packing group</li> <li>· DOT, IMDG, IATA</li> </ul>	<p>III</p>
<ul style="list-style-type: none"> <li>· Environmental hazards:</li> </ul>	<p>Product contains environmentally hazardous substances: 1,2-dichlorobenzene, eucalyptus globulus extr.</p>
<ul style="list-style-type: none"> <li>· Marine pollutant:</li> </ul>	<p>No</p>
<ul style="list-style-type: none"> <li>· Special marking (ADR):</li> </ul>	<p>Symbol (fish and tree)</p>
<ul style="list-style-type: none"> <li>· Special precautions for user</li> </ul>	<p>Warning: Flammable liquids</p>
<ul style="list-style-type: none"> <li>· Hazard identification number (Kemler code):</li> </ul>	<p>30</p>
<ul style="list-style-type: none"> <li>· EMS Number:</li> </ul>	<p>F-E,<u>S-E</u></p>
<ul style="list-style-type: none"> <li>· Stowage Category</li> </ul>	<p>A</p>
<ul style="list-style-type: none"> <li>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	<p>Not applicable.</p>
<ul style="list-style-type: none"> <li>· Transport/Additional information:</li> <li>· DOT</li> <li>· Quantity limitations</li> </ul>	<p>On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L</p>
<ul style="list-style-type: none"> <li>· IMDG</li> <li>· Limited quantities (LQ)</li> <li>· Excepted quantities (EQ)</li> </ul>	<p>5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> <li>· UN "Model Regulation":</li> </ul>	<p>UN 1993 FLAMMABLE LIQUID, N.O.S. ( EUCALYPT US GLOBULUS EXTR., ALPHA-PINENE), 3, III, ENVIRONMENTALLY HAZARDOUS</p>

US

(Contd. on page 14)

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

Page 14/16

Version 7

Reviewed on 07/22/2021

**Product ID#: Duncan OG 805 Premium Gold**

(Contd. of page 11)

**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):**

95-50-1	1,2-dichlorobenzene	*
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· **TSCA (Toxic Substances Control Act):**

84625-32-1	eucalyptus globulus extr.	*
68365-87-7	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate	ACTIVE
64114-51-8	2-Propenoic acid, 2-methyl-, (1R,2R,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl ester, rel-, homopolymer	ACTIVE
78-70-6	Linalool	ACTIVE
80-56-8	alpha-Pinene	ACTIVE
84961-50-2	clove, ext.	*
8000-28-0	lavender oil	ACTIVE
95-50-1	1,2-dichlorobenzene	ACTIVE
8000-25-7	rosemary extr.	*
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	ACTIVE
7704-34-9	sulphur	ACTIVE
68956-80-9	Bi resinate	ACTIVE
104-76-7	2-Ethyl-1-hexanol	ACTIVE
1330-20-7	xylene, mixture of isomers	ACTIVE
104-46-1	Anethole (isomer unspecified)	ACTIVE
3444-17-5	chromium 2-ethylhexanoate	ACTIVE
64742-48-9	Naphtha (petroleum), hydrotreated heavy	ACTIVE
78-59-1	isophorone	ACTIVE
20845-92-5	rhodium(III) 2-ethyl hexanoate	ACTIVE
100-41-4	ethylbenzene	ACTIVE
149-57-5	2-ethylhexanoic acid	ACTIVE

· **Hazardous Air Pollutants**

1330-20-7	xylene, mixture of isomers
78-59-1	isophorone
100-41-4	ethylbenzene

· **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 7

Reviewed on 07/22/2021

**Product ID#: Duncan OG 805 Premium 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%**

None of the ingredients is listed.

· **Limit 1%**

80-56-8	alpha-Pinene
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8006-64-2	Turpentine, oil
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95-50-1	1,2-dichlorobenzene
---------	---------------------

· **Carcinogenity categories**

· **EPA (Environmental Protection Agency)**

95-50-1	1,2-dichlorobenzene	D
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· **TLV (Threshold Limit Value established by ACGIH) notations**

80-56-8	alpha-Pinene	A4
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95-50-1	1,2-dichlorobenzene	A4
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76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	A4
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· **MAK (German Maximum Workplace Concentration)**

78-59-1	isophorone	3B	0.276%
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100-41-4	ethylbenzene	3A	0.086%
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· **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**

H226 Flammable liquid and vapor.

H227 Combustible liquid.

H228 Flammable solid.

H301 Toxic if swallowed.

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.

H320 Causes eye irritation.

(Contd. on page 16)

US

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

Page 16/16

Version 7

Reviewed on 07/22/2021

**Product ID#: Duncan OG 805 Premium Gold**

(Contd. of page 11)

H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H351 Suspected of causing cancer.  
H371 May cause damage to organs.  
H400 Very toxic to aquatic life.  
H401 Toxic to aquatic life.  
H402 Harmful to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

· **Contact:**

S. Carter  
EHS Specialist

· **Date of preparation / last revision** 07/22/2021 / 6

· **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  
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  
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. 3: Flammable liquids – Category 3  
Flam. Liq. 4: Flammable liquids – Category 4  
Flam. Sol. 2: Flammable solids – Category 2  
Acute Tox. 3: Acute toxicity – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B  
Skin Sens. 1: Skin sensitisation – Category 1  
Skin Sens. 1B: Skin sensitisation – Category 1B  
Carc. 2: Carcinogenicity – Category 2  
STOT SE 2: Specific target organ toxicity (single exposure) – Category 2  
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.**

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