



30574-1280

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Reviewed on 07/23/2021

1 Identification

Product ID#: Duncan OG 802 White 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 number:

Health Emergencies:

614-675-2020 7:3am - 5:30pm 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.
Eye Irrit. 2A	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Repr. 2	H361 Suspected of damaging fertility or the unborn child.
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:**

1,2-dichlorobenzene
formaldehyde, polymer with 4-(1,1-dimethyl-ethyl)phenol
Turpentine, oil
rosemary extr.

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- **Hazard statements**

H225 Highly flammable liquid and vapor.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H361 Suspected of damaging fertility or the unborn child.
 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.
 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.
 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.
 P321 Specific treatment (see on this label).
 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:

- **Classification system:**

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



Health = 2
 Fire = 4
 Reactivity = 0

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



Health = 2
 Fire = 4
 Reactivity = 0

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- **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: 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	>20-<30%
CAS: 8002-09-3 EC number: 304-455-9	pine oil ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Flam. Liq. 4, H227	>15-<20%
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	>8-<10%
	pine oil ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Flam. Liq. 4, H227	>8-<10%
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	>8-<10%
CAS: 25085-50-1 polymer	formaldehyde, polymer with 4-(1,1-dimethyl-ethyl)phenol ⚠ Skin Sens. 1, H317	>8-<10%
CAS: 68365-87-7 EINECS: 269-858-3	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate ⚠ Flam. Sol. 2, H228	>6-<8%
	Sulphurized Terpeneol and Turpentine ⚠ STOT SE 3, H335; Flam. Liq. 4, H227	>4-<5%
CAS: 125-12-2 EINECS: 204-727-6	Isobornyl acetate Flam. Liq. 4, H227	>1.5-<2%
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	>1.5-<2%
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	>1-<1.5%
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	≥0.25-≤1%

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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	>0.5-<1%
CAS: 98-54-4 EINECS: 202-679-0 RTECS: SJ 8925000	4-tert-butylphenol ⚠ Repr. 2, H361; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315	≥0.1-<0.25%
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	≥0.1-<0.25%
· Main components:		
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	>20-<30%
CAS: 8002-09-3 EC number: 304-455-9	pine oil ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Flam. Liq. 4, H227	>15-<20%
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	>8-<10%
	pine oil ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Flam. Liq. 4, H227	>8-<10%
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	>8-<10%
CAS: 25085-50-1 polymer	formaldehyde, polymer with 4-(1,1-dimethyl-ethyl)phenol ⚠ Skin Sens. 1, H317	>8-<10%
CAS: 68365-87-7 EINECS: 269-858-3	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate ⚠ Flam. Sol. 2, H228	>6-<8%
	Sulphurized Terpeneol and Turpentine ⚠ STOT SE 3, H335; Flam. Liq. 4, H227	>4-<5%
CAS: 100402-68-4 EC number: 309-504-8	propanoic acid, 3-mercapto iso-octyl ester, palladium salt	>3-<4%
CAS: 65997-05-9 NLP: 500-163-2	polymerised rosin	≤2.5%
CAS: 125-12-2 EINECS: 204-727-6	Isobornyl acetate Flam. Liq. 4, H227	>1.5-<2%

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		(Contd. of page 3)
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	>1.5-<2%
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	>1-<1.5%
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	≥0.25-≤1%

· **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:** Immediately call a 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

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

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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:**

95-50-1	1,2-dichlorobenzene	50 ppm
1330-20-7	xylene, mixture of isomers	130 ppm
92-52-4	biphenyl	0.87 ppm

- **PAC-2:**

95-50-1	1,2-dichlorobenzene	170 ppm
1330-20-7	xylene, mixture of isomers	920* ppm
92-52-4	biphenyl	9.6 ppm

- **PAC-3:**

95-50-1	1,2-dichlorobenzene	1,000 ppm
1330-20-7	xylene, mixture of isomers	2500* ppm
92-52-4	biphenyl	300 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.
Fumes can combine with air to form an explosive mixture.

- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.

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- **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.

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

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

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

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

· **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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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)

- **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.



Pregnant women should strictly avoid inhalation or skin contact.

- **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

- **Change in condition**

- **Melting point/Melting range:**

Undetermined.

- **Boiling point/Boiling range:**

137 °C (278.6 °F)

- **Flash point:**

21 °C (69.8 °F) (ISO 3679)

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· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	500 °C (932 °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: Upper:	Not determined. 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: Kinematic:	Not determined. Not determined.
· Solvent content: Organic solvents: Solvent (USA):	68.2 % 68.24 % 682.4 g/l / 5.69 lb/gal
· Solids content:	22.5 %
· 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.

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11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

- LD/LC50 values that are relevant for classification:

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)
8002-09-3 pine oil		
Oral	LD50	2,000 mg/kg (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)
pine oil		
Oral	LD50	2,000 mg/kg (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)
125-12-2 Isobornyl acetate		
Oral	LD50	10,000 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)
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.
92-52-4 biphenyl		
Oral	LD50	2,140 mg/kg (rat)
108-93-0 cyclohexanol		
Oral	LD50	2,060 mg/kg (rat)
98-54-4 4-tert-butylphenol		
Oral	LD50	2,951 mg/kg (rat)
Dermal	LD50	2,288 mg/kg (rabbit)
8000-25-7 rosemary extr.		
Oral	LD50	5,000 mg/kg (rat)

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- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** 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:

Harmful
Irritant

Product is suspected to cause damage to fertility.

- **Carcinogenic categories**

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

108-94-1	cyclohexanone	3
95-50-1	1,2-dichlorobenzene	3
1330-20-7	xylene, mixture of isomers	3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Repr. 2

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)
95-50-1 1,2-dichlorobenzene		
Oral	LC50/96 h (static)	1.52 mg/L (fish) Oncorhynchus mykiss
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)
8006-64-2 Turpentine, oil		
Oral	LC50/96 h	29 mg/L (fish) danio rerio
		736 mg/L (microbiological activity)

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	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)
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)
8000-25-7 rosemary extr.		
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)

- **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

- **UN-Number**
- **DOT, IMDG, IATA** UN1993

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<ul style="list-style-type: none"> · UN proper shipping name · DOT · IMDG · IATA 	Flammable liquids, n.o.s. (RED DYE MEDIUM, Xylenes) FLAMMABLE LIQUID, N.O.S. (RED DYE MEDIUM, XYLENES, o-DICHLOROBENZENE, biphenyl) FLAMMABLE LIQUID, N.O.S. (RED DYE MEDIUM, XYLENES)
<ul style="list-style-type: none"> · Transport hazard class(es) 	
<ul style="list-style-type: none"> · DOT 	
	
<ul style="list-style-type: none"> · Class 	3 Flammable liquids
<ul style="list-style-type: none"> · Label 	3
<ul style="list-style-type: none"> · IMDG 	
 	
<ul style="list-style-type: none"> · Class · Label 	3 Flammable liquids 3
<ul style="list-style-type: none"> · IATA 	
	
<ul style="list-style-type: none"> · Class · Label 	3 Flammable liquids 3
<ul style="list-style-type: none"> · Packing group · DOT, IMDG, IATA 	II
<ul style="list-style-type: none"> · Environmental hazards: 	Product contains environmentally hazardous substances: 1,2-dichlorobenzene
<ul style="list-style-type: none"> · Marine pollutant: 	Yes
<ul style="list-style-type: none"> · Special marking (ADR): 	Symbol (fish and tree)
<ul style="list-style-type: none"> · Special precautions for user 	Warning: Flammable liquids
<ul style="list-style-type: none"> · Hazard identification number (Kemler code): 	33
<ul style="list-style-type: none"> · EMS Number: 	F-E,S-E
<ul style="list-style-type: none"> · Stowage Category 	B
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	Not applicable.

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<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>1L 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 1993 FLAMMABLE LIQUID, N.O.S. (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA) (RED DYE MEDIUM, XYLENES), 3, II, ENVIRONMENTALLY HAZARDOUS</p>

15 Regulatory information

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

<ul style="list-style-type: none"> · Section 355 (extremely hazardous substances): <p>None of the ingredients is listed.</p>		
<ul style="list-style-type: none"> · Section 313 (Specific toxic chemical listings): 		
95-50-1	1,2-dichlorobenzene	*
1330-20-7	xylene, mixture of isomers	*
92-52-4	biphenyl	*
<ul style="list-style-type: none"> · TSCA (Toxic Substances Control Act): 		
95-50-1	1,2-dichlorobenzene	ACTIVE
	pine oil	ACTIVE
1330-20-7	xylene, mixture of isomers	ACTIVE
25085-50-1	formaldehyde, polymer with 4-(1,1-dimethyl-ethyl)phenol	ACTIVE
68365-87-7	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate	ACTIVE
	Sulphurized Terpeneol and Turpentine	ACTIVE
100402-68-4	propanoic acid, 3-mercapto iso-octyl ester, palladium salt	ACTIVE/EXEMPT
65997-05-9	polymerised rosin	ACTIVE
125-12-2	Isobornyl acetate	ACTIVE
84961-50-2	clove, ext.	*
92-52-4	biphenyl	ACTIVE
	cellulose, ethyl ether	ACTIVE
108-93-0	cyclohexanol	ACTIVE
14233-37-5	C.I. solvent blue 36	ACTIVE
68917-69-1	venetian turpentine, sulphurised, hexachlororhodate	ACTIVE
61788-69-0	Chromium naphthenate	ACTIVE
68365-86-6	silver pinanyl mercaptide	ACTIVE
67874-71-9	bismuth octoate	ACTIVE

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98-54-4	4-tert-butylphenol	ACTIVE
8000-25-7	rosemary extr.	*
108-94-1	cyclohexanone	ACTIVE
78-59-1	isophorone	ACTIVE
50-00-0	Formaldehyde	ACTIVE
8006-64-2	Turpentine, oil	ACTIVE
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	ACTIVE
8000-28-0	lavender oil	ACTIVE

· **Hazardous Air Pollutants**

1330-20-7	xylene, mixture of isomers
92-52-4	biphenyl
78-59-1	isophorone
50-00-0	Formaldehyde

· **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%**

95-50-1	1,2-dichlorobenzene
8006-64-2	Turpentine, oil
92-52-4	biphenyl

· **Carcinogen categories**

· **EPA (Environmental Protection Agency)**

95-50-1	1,2-dichlorobenzene	D
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
95-50-1	1,2-dichlorobenzene	A4
1330-20-7	xylene, mixture of isomers	A4

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

108-94-1	cyclohexanone	3B	20.23%
92-52-4	biphenyl	3B	1.0%

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108-94-1	cyclohexanone	3B	0.038%
78-59-1	isophorone	3B	0.03%
50-00-0	Formaldehyde	4	0.025%
8006-64-2	Turpentine, oil	3A	0.002%
· 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.

· **Information about limitation of use:**

Employment restrictions concerning pregnant and lactating women must be observed.

· **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.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H361 Suspected of damaging fertility or the unborn child.
- H371 May cause damage to organs.
- 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** 07/23/2021 / 7

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 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)

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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 Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
Repr. 2: Reproductive toxicity – 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 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

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

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