

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** XXXXXXXXXX LUSTRE ORANGE

· **Article number:** 88030101

· **Application of the substance / the preparation**

Decoration materials or decoration aids for glas or porcelain ware.

Manufacturer / Supplier: Interdec Australia Pty Ltd
 53 Galway Ave
 Marleston
 South Australia 5033

Phone: 08 8371 4100
 Facsimile: 08 8371 4142

2 Hazards identification

· **Hazard description:**



Xn Harmful

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 36/38 Irritating to eyes and skin.

R 40 Limited evidence of a carcinogenic effect.

R 43 May cause sensitisation by skin contact.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

Can become flammable in use.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

· **Chemical characterization**

· **Description:** Metal resinates, synthetic and natural resins dissolved in organic solvents

· **Dangerous components:**

CAS: 75-09-2	dichlormethane	10-25%
EINECS: 200-838-9	Xn; R 40	
CAS: 98-55-5	p-menth-1-en-8-ol	10-25%
EINECS: 202-680-6	Xi; R 38	
CAS: 8006-64-2	Turpentine, oil	10-25%
EINECS: 232-350-7	Xn, Xi, N; R 10-20/21/22-36/38-43-51/53-65	

(Contd. on page 2)

CAS: 68308-20-3 EINECS: 269-635-0	Fatty acids, C6 - C19-branched, iron salts ☒ Xi; R 38	2.5-10%
CAS: 91-17-8 EINECS: 202-046-9	Decahydronaphthalene ☒ C, ☒ Xn, ☒ N; R 10-20-34-51/53	2.5-10%
CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy ☒ Xn; R 65	2.5-10%
CAS: 67874-71-9 EINECS: 267-499-7	Hexanoic acid, 2-ethyl-, bismuth(3+) salt ☒ Xi; R 38	2.5-10%
CAS: 68990-37-4 EINECS: 273-598-6	Fatty acids, C3-24 ☒ Xn, ☒ Xi; R 22-36	≤ 2.5%
CAS: 108-94-1 EINECS: 203-631-1	cyclohexanone ☒ Xn; R 10-20	≤ 2.5%
CAS: 1330-20-7 EINECS: 215-535-7	xylene ☒ Xn, ☒ Xi; R 10-20/21-38	≤ 2.5%

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

4 First-aid measures

- **After inhalation:**
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:** Immediately wash with water and soap and rinse thoroughly.
- **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.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Wear protective clothing.
- **Measures for environmental protection:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.

- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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

75-09-2 dichlormethane	
WEL (Great Britain)	Short-term value: 1060 mg/m ³ , 300 ppm Long-term value: 350 mg/m ³ , 100 ppm Sk
8006-64-2 Turpentine, oil	
WEL (Great Britain)	Short-term value: 850 mg/m ³ , 150 ppm Long-term value: 566 mg/m ³ , 100 ppm
108-94-1 cyclohexanone	
WEL (Great Britain)	Short-term value: 20 ppm Long-term value: 10 ppm Sk
IOELV (EU)	Short-term value: 81.6 mg/m ³ , 20 ppm Long-term value: 40.8 mg/m ³ , 10 ppm Skin
1330-20-7 xylene	
WEL (Great Britain)	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin

- **Additional information:** The lists valid during the making were used as basis.

· 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 eyes and skin.

- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.

· Protection of hands:



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.

Check protective gloves prior to each use for their proper condition.

After use of gloves apply skin-cleaning agents and skin cosmetics.

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

For short use and minimal soiling we recommend disposable protective gloves made of special nitrile, e.g. Dermatril from the company KCL.

For longer use and stronger soiling we recommend 4H-Chemicals-Protective-Gloves from the company SETON.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	Dark brown
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** < 61°C

· **Ignition temperature:** 220°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: 0.8 Vol %

Upper: 22.0 Vol %

· **Vapour pressure at 20°C:** 453 hPa

· **Density:** Not determined.

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

· **Solvent content:**

Organic solvents: 35 - 40 %

Water: 0.0 %

· **Solids content:** 30 - 40 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

(< 100° C)

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

75-09-2 dichlormethane

Oral LD50 1600 mg/kg (rat)

Inhalative LC50/4 h 88 mg/l (rat)

8006-64-2 Turpentine, oil

Oral LD50 5760 mg/kg (rat)

91-17-8 Decahydronaphthalene

Oral LD50 4170 mg/kg (rat)

Dermal LD50 5900 mg/kg (rbi)

Inhalative LC50/1h 1.08 mg/l (rat)

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >3000 mg/kg (rabbit)

- **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 the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

- **Sensitisation** May cause sensitisation by skin contact.

12 Ecological information

- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **General notes:**

Water hazard class 2 (German Regulation) (in accordance with VwVwS from 15.05.1999): 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

13 Disposal considerations

- **Product:**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· Land transport ADR/RID (cross-border)



- ADR/RID class: 3 Flammable liquids.
- Danger code (Kemler): 36
- UN-Number: 1992
- Packaging group: III
- Hazard label: 3+6.1
- Description of goods: 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (TURPENTINE, DICHLOROMETHANE)

· Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 1992
- Label: 3+6.1
- Packaging group: III
- EMS Number: F-E,S-D
- Marine pollutant: No
- Proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S. (TURPENTINE, DICHLOROMETHANE)

· Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UNID Number: 1992
- Label: 3+6.1
- Packaging group: III
- Proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S. (TURPENTINE, DICHLOROMETHANE)

15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



Xn Harmful

· Hazard-determining components of labelling:

dichlormethane
Turpentine, oil

· Risk phrases:

36/38 Irritating to eyes and skin.
40 Limited evidence of a carcinogenic effect.

(Contd. on page 7)

- 43 *May cause sensitisation by skin contact.*
- 52/53 *Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- 65 *Harmful: may cause lung damage if swallowed.*

· **Safety phrases:**

- 23 *Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).*
- 25 *Avoid contact with eyes.*
- 26 *In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*
- 36/37 *Wear suitable protective clothing and gloves.*
- 60 *This material and its container must be disposed of as hazardous waste.*
- 61 *Avoid release to the environment. Refer to special instructions/safety data sheets.*

· **Special labelling of certain preparations:**

Can become flammable in use.

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
I	10-25
II	10-25

· **Waterhazard class:**

Water hazard class 2 (in accordance with VwVwS from 15.05.1999): hazardous for water.

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 R-phrases**

- 10 *Flammable.*
- 20 *Harmful by inhalation.*
- 20/21 *Harmful by inhalation and in contact with skin.*
- 20/21/22 *Harmful by inhalation, in contact with skin and if swallowed.*
- 22 *Harmful if swallowed.*
- 34 *Causes burns.*
- 36 *Irritating to eyes.*
- 36/38 *Irritating to eyes and skin.*
- 38 *Irritating to skin.*
- 40 *Limited evidence of a carcinogenic effect.*
- 43 *May cause sensitisation by skin contact.*
- 51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*