



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2015

Version number 5

Revision: 09.09.2015

* SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: **KRISTAL Spot Repair Thinner PLUS**
- Article number: 3127
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
- Application of the substance / the mixture Thinner, Diluent
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
Kristal Coatings B.V.
Platinawerf 22B
6641 TL Beuningen - Holland
Tel: 0031 24 67 526 36
Fax: 0031 24 67 533 60
- Further information obtainable from: Product safety department: info@kristalcoatings.nl
- 1.4 Emergency telephone number:
National Poisoning Information Centre - Bilthoven - The Netherlands
T +31 (0)30 274 88 88
Restricted to physicians for information on ingredients.

* SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS02



GHS05

- Signal word Danger
- Hazard-determining components of labelling:
cyclohexanone
- Hazard statements
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
P243 Take precautionary measures against static discharge.

(Contd. on page 2)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2015

Version number 5

Revision: 09.09.2015

Trade name: **KRISTAL Spot Repair Thinner PLUS**

(Contd. of page 1)

P260 Do not breathe mist/vapours/spray.
 P280 Wear protective gloves / 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.

P314 Get medical advice/attention if you feel unwell.

· **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.
 Restricted to professional users.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· PBT: Not applicable.

· vPvB: Not applicable.

* SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 108-94-1 cyclohexanone 10-25%

EINECS: 203-631-1 Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute

Reg.nr.: 01-2119453616-35 Tox. 4, H332; Skin Irrit. 2, H315

CAS: 123-86-4 n-butyl acetate 10-25%

EINECS: 204-658-1 Flam. Liq. 3, H226; STOT SE 3, H336

Reg.nr.: 01-2119485493-29

CAS: 141-78-6 ethyl acetate 10-25%

EINECS: 205-500-4 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336

Reg.nr.: 01-2119475103-46
 05-2116947025-47

CAS: 108-65-6 2-methoxy-1-methylethyl acetate 10-25%

EINECS: 203-603-9 Flam. Liq. 3, H226

Reg.nr.: 01-2119475791-29

CAS: 1330-20-7 xylene 2,5-10%

EINECS: 215-535-7 Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute

Reg.nr.: 01-2119488216-32 Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3,

01-2119486136-34 H412

01-2119555267-33

CAS: 64742-95-6 Hydrocarbons, C9, aromatics 0,5-2,5%

EC number: 918-668-5 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-

Reg.nr.: 01-2119455851-35 H336

CAS: 100-41-4 ethylbenzene 0,5-2,5%

EINECS: 202-849-4 Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Aquatic Chronic 3, H412

CAS: 108-88-3 toluene ≤ 0,5%

EINECS: 203-625-9 Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2,

Reg.nr.: 01-2119471310-51 H315; STOT SE 3, H336; Aquatic Chronic 3, H412

01-2116601980-50

17-2119453989-16

05-211538126-46

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aromatic hydrocarbons

5 - 15%

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



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2015

Version number 5

Revision: 09.09.2015

* SECTION 4: First aid measures

- 4.1 Description of first aid measures
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 3)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2015

Version number 5

Revision: 09.09.2015

Trade name: KRISTAL Spot Repair Thinner PLUS

(Contd. of page 2)

- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
Remove contactlenses.
 - **After swallowing:**
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
Rinse mouth.
 - **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
 - **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.
-

* SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents:** CO₂ or powder. Fight larger fights with alcohol resistant foam.
 - **For safety reasons unsuitable extinguishing agents:** Water with full jet
 - **5.2 Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
Carbon monoxide (CO)
 - **5.3 Advice for firefighters**
 - **Protective equipment:** Wear self-contained respiratory protective device.
-

* SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
 - **6.2 Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
 - **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
 - **6.4 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.
-

* SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
 - **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
 - **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
 - **Information about storage in one common storage facility:** Store away from oxidising agents.
 - **Further information about storage conditions:** Keep container tightly sealed.
 - **Storage class:** 3
 - **7.3 Specific end use(s)** No further relevant information available.
-

* SECTION 8: Exposure controls/personal protection

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

(Contd. on page 4)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2015

Version number 5

Revision: 09.09.2015

Trade name: **KRISTAL Spot Repair Thinner PLUS**

(Contd. of page 3)

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

108-94-1 cyclohexanone

IOELV Short-term value: 81,6 mg/m³, 20 ppm
 Long-term value: 40,8 mg/m³, 10 ppm
 Skin

108-65-6 2-methoxy-1-methylethyl acetate

IOELV Short-term value: 550 mg/m³, 100 ppm
 Long-term value: 275 mg/m³, 50 ppm
 Skin

1330-20-7 xylene

IOELV Short-term value: 442 mg/m³, 100 ppm
 Long-term value: 221 mg/m³, 50 ppm
 Skin

100-41-4 ethylbenzene

IOELV Short-term value: 884 mg/m³, 200 ppm
 Long-term value: 442 mg/m³, 100 ppm
 Skin

- DNELs

108-94-1 cyclohexanone

Dermal Acute - short-term exposure - systemic effects 4 mg/kg bw/day (worker)
 Long-term exposure - systemic effects 4 mg/kg bw/day (worker)

Inhalative Acute - short-term exposure - systemic effects 80 mg/m³ (worker)
 Acute - short-term exposure - local effects 80 mg/m³ (worker)
 Long-term exposure - systemic effects 40 mg/m³ (worker)

123-86-4 n-butyl acetate

Inhalative Acute - short-term exposure - systemic effects 960 mg/m³ (worker)
 Acute - short-term exposure - local effects 960 mg/m³ (worker)
 Long-term exposure - systemic effects 480 mg/m³ (worker)
 Long-term exposure - local effects 480 mg/m³ (worker)

141-78-6 ethyl acetate

Dermal Long-term exposure - systemic effects 63 mg/kg bw/day (worker)
 Inhalative Acute - short-term exposure - systemic effects 1468 mg/m³ (worker)
 Acute - short-term exposure - local effects 1468 mg/m³ (worker)
 Long-term exposure - systemic effects 734 mg/m³ (worker)
 Long-term exposure - local effects 734 mg/m³ (worker)

108-65-6 2-methoxy-1-methylethyl acetate

Dermal Long-term exposure - systemic effects 153,5 mg/kg bw/day (worker)
 Inhalative Long-term exposure - systemic effects 275 mg/m³ (worker)

1330-20-7 xylene

Dermal Long-term exposure - systemic effects 180 mg/kg bw/day (worker)
 Inhalative Acute - short-term exposure - systemic effects 289 mg/m³ (worker)
 Acute - short-term exposure - local effects 289 mg/m³ (worker)
 Long-term exposure - systemic effects 77 mg/m³ (worker)

64742-95-6 Hydrocarbons, C9, aromatics

Dermal Long-term exposure - systemic effects 25 mg/kg bw/day (worker)
 Inhalative Long-term exposure - systemic effects 150 mg/m³ (worker)

100-41-4 ethylbenzene

Dermal Acute - short-term exposure - local effects 293 mg/kg bw/day (worker)
 Long-term exposure - systemic effects 180 mg/kg bw/day (worker)
 Inhalative Long-term exposure - systemic effects 77 mg/m³ (worker)

108-88-3 toluene

Dermal Long-term exposure - systemic effects 384 mg/kg bw/day (worker)

(Contd. on page 5)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2015

Version number 5

Revision: 09.09.2015

Trade name: **KRISTAL Spot Repair Thinner PLUS**

(Contd. of page 4)

Inhalative Acute - short-term exposure - systemic effects 384 mg/m³ (worker)
 Acute - short-term exposure - local effects 384 mg/m³ (worker)
 Long-term exposure - systemic effects 192 mg/m³ (worker)
 Long-term exposure - local effects 192 mg/m³ (worker)

· **PNECs****108-94-1 cyclohexanone**

PNEC 0,0512 mg/kg (sediment marine water)
 0,512 mg/kg (sediment freshwater)
 0,0435 mg/kg (soil)
 PNEC 10 mg/l (STP)
 0,1 mg/l (aqua, freshwater)
 1 mg/l (aqua, intermittent releases)
 0,01 mg/l (worker)

123-86-4 n-butyl acetate

PNEC 0,981 mg/kg (sediment freshwater)
 PNEC 35,6 mg/l (STP)
 0,18 mg/l (aqua, freshwater)
 0,36 mg/l (aqua, intermittent releases)
 0,018 mg/l (aqua, marine water)
 0,0981 mg/l (sediment marine water)

141-78-6 ethyl acetate

PNEC 0,125 mg/kg (sediment marine water)
 1,25 mg/kg (sediment freshwater)
 PNEC 650 mg/l (STP)
 0,26 mg/l (aqua, freshwater)
 1,65 mg/l (aqua, intermittent releases)
 0,026 mg/l (aqua, marine water)

108-65-6 2-methoxy-1-methylethyl acetate

PNEC 0,329 mg/kg (sediment marine water)
 3,29 mg/kg (sediment freshwater)
 0,29 mg/kg (soil)
 PNEC 100 mg/l (STP)
 6,35 mg/l (aqua, intermittent releases)
 0,0635 mg/l (aqua, marine water)
 0,635 mg/l (aqua freshwater)

1330-20-7 xylene

PNEC 6,58 mg/l (STP)
 0,237 mg/l (aqua, freshwater)
 0,327 mg/l (aqua, intermittent releases)
 0,327 mg/l (aqua, marine water)

100-41-4 ethylbenzene

PNEC 13,7 mg/kg (sediment freshwater)
 2,68 mg/kg (soil)
 PNEC 9,6 mg/l (STP)
 0,1 mg/l (aqua, freshwater)
 0,1 mg/l (aqua, intermittent releases)
 0,01 mg/l (aqua, marine water)

108-88-3 toluene

PNEC 16,39 mg/kg (sediment marine water)
 PNEC 13,61 mg/l (STP)
 0,68 mg/l (aqua, freshwater)
 0,68 mg/l (aqua, intermittent releases)
 0,68 mg/l (aqua, marine water)

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

(Contd. on page 6)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2015

Version number 5

Revision: 09.09.2015

Trade name: **KRISTAL Spot Repair Thinner PLUS**

(Contd. of page 5)

- 8.2 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.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
- Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Filter A.

- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- 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.

Butyl rubber, BR

- Penetration time of glove material

Thickness of the gloves ≥ 0.3 mm (butylacetate)Value for the permeation: Level ≥ 60 min (butylacetate)

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

Solvent resistant protective clothing

* SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:

Form:	Liquid
Colour:	Transparent
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.

- Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	77 °C

- Flash point: 8 °C
- Flammability (solid, gaseous): Not applicable.
- Ignition temperature: 315 °C
- Decomposition temperature: Not determined.
- Self-igniting: Product is not selfigniting.

(Contd. on page 7)



Printing date 09.09.2015

Safety data sheet

according to 1907/2006/EC, Article 31

Version number 5

Revision: 09.09.2015

Trade name: **KRISTAL Spot Repair Thinner PLUS**

(Contd. of page 6)

- Danger of explosion: Explosive with or without contact with air.
- Explosion limits:
 - Lower: 1,2 Vol %
 - Upper: 11,5 Vol %
- Vapour pressure at 20 °C: 97 hPa
- Density at 20 °C: 0,92 g/cm³
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with water: Slightly soluble.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
 - Dynamic: Not determined.
 - Kinematic at 20 °C: 10 s (DIN 53211/4)
- Solvent content:
 - Organic solvents: 96,0 %
 - VOC (EC) 96,03 %
 - Solids content: 4,0 %
- 9.2 Other information: No further relevant information available.

* SECTION 10: Stability and reactivity

- 10.1 Reactivity: No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions: Reacts with strong oxidizing agents.
- 10.4 Conditions to avoid: High temperatures.
- 10.5 Incompatible materials: Oxidizing agents.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

* SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity
- LD/LC50 values relevant for classification:
 - 108-94-1 cyclohexanone**
 - Oral LD50 1535 mg/kg (rat)
 - Dermal LD50 948 mg/kg (rabbit)
 - Inhalative LC50/4h > 6,2 mg/l (rat)
 - 123-86-4 n-butyl acetate**
 - Oral LD50 10760 mg/kg (rat) (OECD 423)
 - Dermal LD50 >14112 mg/kg (rabbit) (OECD 402)
 - Inhalative LC50/4h 23,4 mg/l (rat) (OECD 403 in vivo, aerosol)
 - 141-78-6 ethyl acetate**
 - Oral LD50 4100 mg/kg (mouse)
 - Dermal LD50 5620 mg/kg (rat)
 - 20000 mg/kg (rabbit)
 - Inhalative LC50/4h 30 mg/l (rat)
 - 108-65-6 2-methoxy-1-methylethyl acetate**
 - Oral LD50 > 5000 mg/kg (rat)
 - Dermal LD50 > 5000 mg/kg (rat)

(Contd. on page 8)



Printing date 09.09.2015

Safety data sheet

according to 1907/2006/EC, Article 31

Version number 5

Revision: 09.09.2015

Trade name: **KRISTAL Spot Repair Thinner PLUS**

(Contd. of page 7)

1330-20-7 xylene

Oral LD50 3523 mg/kg (rat)
 Dermal LD50 12126 mg/kg bw (rabbit)
 Inhalative LC50/4h 27124 mg/m³ (rat)

64742-95-6 Hydrocarbons, C9, aromatics

Oral LD50 3592 mg/kg (rat)
 Dermal LD50 >3160 ml/kg (rabbit)
 Inhalative LC50/4h >6193 ppm (rat)

100-41-4 ethylbenzene

Oral LD50 3500 mg/kg (rat)
 Dermal LD50 17800 mg/kg (rabbit)

108-88-3 toluene

Oral LD50 5580 mg/kg (rat)
 Dermal LD50 > 5000 mg/kg (rabbit)
 Inhalative LC50/4h 28,1 mg/l (rat)

- Primary irritant effect:
- Skin corrosion/irritation
Causes skin irritation.
- Serious eye damage/irritation
Causes serious eye damage.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard
May be fatal if swallowed and enters airways.

* **SECTION 12: Ecological information**

- 12.1 Toxicity
- Aquatic toxicity:
 - 108-94-1 cyclohexanone**
 - EC50/72h 32,9 mg/l (algae)
 - EC50/24h 820 mg/l (daphnia magna)
 - LC50/96h 527-732 mg/l (pimphales promelas)
 - 123-86-4 n-butyl acetate**
 - EC50/48h 44 mg/l (daphnia magna)
 - EC50/72h 647,7 mg/l (desmodesmus supspicatus)
 - IC50 356 mg/l (tetrahymena pyriformis) (40 h)
 - NOAEL/72h 200 mg/l (desmodesmus supspicatus)
 - LC50/96h 18 mg/l (pimphales promelas) (OECD 203)
 - 141-78-6 ethyl acetate**
 - NOEC/32d >9,65 mg/l (fish)
 - NOEC/21d 2,4 mg/l (daphnia magna)
 - EC50/48h 5600 mg/l (algae)
 - 610 mg/l (daphnia magna)
 - LC50/96h 230 mg/l (fish)
 - 108-65-6 2-methoxy-1-methylethyl acetate**
 - EC50/48h 408-500 mg/l (daphnia magna)
 - LC50/96h 100-180 mg/l (oncorhynchus mykiss)

(Contd. on page 9)



Printing date 09.09.2015

Safety data sheet according to 1907/2006/EC, Article 31

Version number 5

Revision: 09.09.2015

Trade name: **KRISTAL Spot Repair Thinner PLUS**

(Contd. of page 8)

1330-20-7 xylene

- IC50/72h 2,2 mg/l (algae)
- EC50/48h 1 mg/l (daphnia magna)
- LC50/96h 2,6 mg/l (oncorhynchus mykiss)

100-41-4 ethylbenzene

- EC50/24h >100 mg/l (daphnia magna)

108-88-3 toluene

- NOEC/72h 10 mg/l (Skeletonema costatum)
- EC50/3h 134 mg/l (Chlorella vulgaris)
- EC50/48h 3,78 mg/l (daphnia magna)
- EC50/72h 12,5 mg/l (algae)
- LC50/96h 5,5 mg/l (Oncorhynchus kisutch)
- 5,5 mg/l (fish)

- 12.2 Persistence and degradability No further relevant information available.

- Degree of elimination:

123-86-4 n-butyl acetate

- OECD 301D 83 % (l) (28 d)

- 12.3 Bioaccumulative potential

1330-20-7 xylene

- LogPow 3,15 (l)

108-88-3 toluene

- BCF 90 (l)
- LogPow 2,73 (l)

- 12.4 Mobility in soil No further relevant information available.

- Ecotoxicological effects:

- Remark: Harmful to fish

- Additional ecological information:

- General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

- 12.5 Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

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

- European waste catalogue

07 01 04* other organic solvents, washing liquids and mother liquors

- Uncleaned packaging:

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

*** SECTION 14: Transport information**

- 14.1 UN-Number

- ADR,ADN, IMDG, IATA

UN1263

- 14.2 UN proper shipping name

- ADR/ADN

1263 PAINT RELATED MATERIAL

- IMDG, IATA

PAINT RELATED MATERIAL

(Contd. on page 10)



Printing date 09.09.2015

Safety data sheet

according to 1907/2006/EC, Article 31

Version number 5

Revision: 09.09.2015

Trade name: **KRISTAL Spot Repair Thinner PLUS**

(Contd. of page 9)

- 14.3 Transport hazard class(es)
- ADR,ADN, IMDG, IATA



- | | |
|---|-----------------------------|
| · Class | 3 Flammable liquids. |
| · Label | 3 |
| · 14.4 Packing group | |
| · ADR,ADN, IMDG, IATA | II |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Warning: Flammable liquids. |
| · Danger code (Kemler): | 33 |
| · EMS Number: | F-E, <u>S-E</u> |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |

- Transport/Additional information:

- | | |
|----------------------------|---|
| · ADR/ADN | |
| · Limited quantities (LQ) | 5L |
| · Excepted quantities (EQ) | Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml |
| · Transport category | 2 |
| · Tunnel restriction code | D/E |

- | | |
|----------------------------|---|
| · IMDG | |
| · Limited quantities (LQ) | 5L |
| · Excepted quantities (EQ) | Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml |
| · UN "Model Regulation": | UN 1263 PAINT RELATED MATERIAL, 3, II, (D/E) |

* SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- National regulations:
- Other regulations, limitations and prohibitive regulations
The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

* SECTION 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 vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.

(Contd. on page 11)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 09.09.2015

Version number 5

Revision: 09.09.2015

Trade name: **KRISTAL Spot Repair Thinner PLUS**

(Contd. of page 10)

- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

- Contact: Dhr. B. Peters

- 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 européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

- * Data compared to the previous version altered.

EU