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| | CTION 01: Identification of the substance/mixture and of the company undertaking |
|----|---|
| • | 1.1 Product identifier |
| • | Trade name: |
| | Dipping lacquer for incandescent lamps |
| | DB-group |
| | 5911 1.2 Relevant identified uses of the substance or mixture and uses advised against |
| • | Application of the substance / the preparation |
| | Lacquer |
| | 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: |
| | Alfred Clouth |
| | Lackfabrik GmbH & Co. KG |
| | Otto-Scheugenpflug-Straße 2 63073 Offenbach/Main |
| | Deutschland |
| | Tel + 49 69-89 00 7-0 / Fax + 49 69-89 00 7-140 E-Mail: info@clou.de / www.clou.de |
| _ | Further information obtainable from: |
| • | Laboratory: |
| | Tel.: +49 69 89 00 7 - 104 / Fax: +49 69 89 00 7 - 48104 |
| | E-Mail: cosima.sattler@clou.de 1.4 Emergency telephone number: |
| • | Giftinformationszentrum - Nord |
| | Universitätsklinikum |
| | Bereich Humanmedizin Robert Koch Str.40 |
| | 37075 Göttingen |
| | Deutschland Tel.: + 49 551 / 1 92 40 |
| | |
| EC | CTION 02: Hazards identification |
| | 2.1 Classification of the substance or mixture |
| • | Classification according to Regulation (EC) No 1272/2008 |
| | Flam. Liq. 2 - H225 Highly flammable liquid and vapour. Eye Dam. 1 - H318 Causes serious eye damage. |
| | STOT SE 3 - H336 May cause drowsiness or dizziness. |
| | Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting |
| • | effects. 2.2 Label elements |
| • | Labelling according to Regulation (EC) No 1272/2008 |
| • | Hazard pictograms |
| | |
| | |
| | GHS02 GHS05 GHS07 |
| • | Signal word Danger |
| | |

(continued on page 2)

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| | (continued of page |
|---|--|
| • | Hazard statements |
| | H225 Highly flammable liquid and vapour. |
| | H318-EUH066 Causes serious eye damage. Repeated exposure may cause |
| | skin dryness or cracking. |
| | H336 May cause drowsiness or dizziness. |
| | H412 Harmful to aquatic life with long lasting effects. |
| • | Precautionary statements |
| | P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No |
| | smoking. |
| | P241 Use explosion-proof [electrical/ventilating/lighting] equipment. |
| | P242 Use non-sparking tools. |
| | P243 Take action to prevent static discharges. |
| | P271 Use only outdoors or in a well-ventilated area. |
| | P273 Avoid release to the environment. |
| | P280 Wear protective gloves / eye protection. |
| | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact |
| | lenses, if present and easy to do. Continue rinsing. |
| | P310 Immediately call a POISON CENTER/doctor. |
| | P370+P378 In case of fire: Use to extinguish: CO2, sand, extinguishing powder. |
| • | 2.3 Other hazards |
| • | Results of PBT and vPvB assessment |
| • | PBT: |
| | Not applicable. |
| • | vPvB: |
| | Not applicable. |

| 3.2 Mixture Description Mixture of the | - | |
|---|--------------------------------------|--------|
| Dangerous | components: | |
| CAS Number | | % |
| 123-86-4 | N-butyl acetate | 25-50 |
| | EC number: 204-658-1 | |
| | Record number 01-2119485493-29 | |
| | 🚸 Flam. Liq. 3 - H226; 🚸 STOT SE 3 - | |
| | H336 | |
| 108-21-4 | isopropyl acetate | 10-25 |
| | EC number: 203-561-1 | |
| | Record number 01-2119537214-46 | |
| | 🚸 Flam. Liq. 2 - H225; 🚸 Eye Irrit. | |
| | 2 - H319-EUH066, STOT SE 3 - H336 | |
| 107-98-2 | 1-methoxy-2-propanol | 10-25 |
| | EC number: 203-539-1 | |
| | Record number 01-2119457435-35 | |
| | 🚸 Flam. Liq. 3 - H226; 🚸 STOT SE 3 - | |
| | H336 | |
| 67-64-1 | acetone | 2,5-10 |
| | EC number: 200-662-2 | |
| | Record number 01-2119471330-49 | |
| | 🚸 Flam. Liq. 2 - H225; 🚸 Eye Irrit. | |
| | 2 - H319-EUH066, STOT SE 3 - H336 | |

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| | | (continued of page 2 |
|--------------------------------|---|----------------------|
| 67-63-0 | Propan-2-ol EC number: 200-661-7 Record number 01-2119457558-25 ◈ Flam. Liq. 2 - H225; ◊ Eye Irrit. | 2,5-10 |
| | 2 - H319, STOT SE 3 - H336 | |
| 64742-49-0 | Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics EC number: 920-750-0 Record number 01-2119473851-33 � Flam. Liq. 2 - H225; � Asp. Tox. 1 - H304; ∲ STOT SE 3 - H336; ∳ | 2,5-10 |
| | Aquatic Chronic 2 - H411 | |
| 78-83-1 | iso-butanol EC number: 201-148-0 Record number 01-2119484609-23 ♦ Eye Dam. 1 - H318; ♦ Flam. Liq. 3 - H226; ♦ Skin Irrit. 2 - H315, STOT SE | 2,5-10 |
| 141-78-6 | 3 - H335-H336 | |
| 141-70-0 | ethyl acetate EC number: 205-500-4 Record number 01-2119475103-46 ∲ Flam. Liq. 2 - H225; ∲ Eye Irrit. 2 - H319-EUH066, STOT SE 3 - H336 | < 2,5 |
| 71-36-3 | E ' nois' Londo, ere'i oL o' 'noo Butan-1-ol EC number: 200-751-6 Record number 01-2119484630-38 ♦ Eye Dam. 1 - H318; ♦ Flam. Liq. 3 | < 2,5 |
| | - H226; 솻 Acute Tox. 4 - H302, Skin | |
| | Irrit. 2 - H315, STOT SE 3 - H335-H336 | |
| 64-17-5 | ethanol EC number: 200-578-6 Record number 01-2119457610-43 ∲ Flam. Liq. 2 - H225; ∲ Eye Irrit. | < 1,5 |
| • SVHC This product | 2 - H319 contains no substances in the SVHC list in a concentration | on > 0,1 %. |
| Additional in For the word | nformation: ing of the listed risk phrases refer to section 16. | |
| | First aid measures | |
| General info Take off or re | ion of first aid measures ormation: emove contaminated clothing immediately. f poisoning may even occur after several hours; therefore | |

After inhalation:

Seek medical treatment in case of complaints.

After skin contact: Wash thoroughly with soap and water immediately and rinse well.

(continued on page 4)

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| | (continued of page 3 |
|--|---|
| If skin irritation continues, consult a doctor. | (|
| After eye contact: | |
| Rinse opened eye for several minutes under runnir | ng water. Then consult a doctor. |
| After swallowing: | |
| Drink copious amounts of water and provide fresh • Information for doctor: | air. Call for a doctor immediately. |
| Treat symptomatically. | |
| 4.2 Most important symptoms and effects, both | acute and delayed |
| No further relevant information available. | |
| • 4.3 Indication of any immediate medical attenti | on and special treatment needed |
| No further relevant information available. | |
| | |
| SECTION 05: Firefighting measures | |
| 5.1 Extinguishing media Suitable extinguishing agents: | |
| Foam | |
| Fire-extinguishing powder | |
| Carbon dioxide | |
| For safety reasons unsuitable extinguishing ag | ents: |
| Water with full jet | |
| 5.2 Special hazards arising from the substance | |
| Formation of toxic gases is possible during heating 5.3 Advice for firefighters | g or in case of fire. |
| Protective equipment: | |
| Mouth respiratory protective device. | |
| Additional information | |
| Cool endangered receptacles with water spray. | |
| Bring if possible, containers from the danger zone. | With heating up, printing increase, Berst and |
| danger of explosion. | |
| SECTION 06: Accidental release measures | |
| • 6.1 Personal precautions, protective equipmen | |
| Protection regulations (see point 7 and 8) to consid | |
| 6.2 Environmental precautions: | |
| Inform respective authorities in case of seepage in | |
| Do not allow to enter sewers/ surface or ground wa | ater. |
| Possible warning the neighbourhood. | |
| 6.3 Methods and material for containment and Absorb with liquid-binding material (sand, diatomit | cleaning up: |
| Ensure adequate ventilation. | e, aciu pinders, universal pinders, sawdust). |
| 6.4 Reference to other sections | |
| See Section 7 for information on safe handling. | |
| See Section 8 for information on personal protection | on equipment. |
| See Section 13 for disposal information. | |
| SECTION 07: Handling and storage | |
| <u></u> | |

7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Use only in well ventilated areas. Smoking, drinking and eating are not permitted at the working place! Keep out of the reach of children. Do not breathe in fumes.

(continued on page 5)

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| | Dipping lacquer for inca | andescent lamps | |
|---|---|---|-----------------------------|
| De net | natu inte ducine | | (continued of page |
| | npty into drains. | nlagion protoction. | |
| | ion about fire - and exp tion sources away - Do r | | |
| | gainst electrostatic charg | | |
| Fumes ca | an combine with air to fo | orm an explosive mixture. | |
| | are heavier than air. | · | |
| • 7.2 Cond | itions for safe storage | , including any incompatibilities | |
| Storage: | | | |
| | | rerooms and receptacles: | |
| | | orage of paints and varnishes and Chemi | icals must be observed. |
| | | ne common storage facility: | |
| | ay from foodstuffs. nformation about stora | ago conditions: | |
| | cool, dry conditions in we | | |
| • Storage | | | |
| 3 | | | |
| • 7.3 Spec | ific end use(s) | | |
| For more | information, please refe | er to the technical data sheet. | |
| | | | |
| | | | |
| | B: Exposure contro | ols/personal protection | |
| ECTION 0 | | ols/personal protection | |
| ECTION 0 | rol parameters | | |
| • 8.1 Contr • Ingredier | rol parameters nts with limit values th | ols/personal protection at require monitoring at the workplac | e: |
| • 8.1 Contr • Ingredien 123-86-4 | rol parameters | | e: |
| • 8.1 Contr • Ingredien 123-86-4 WEL | rol parameters nts with limit values th <i>N-butyl acetate</i> | at require monitoring at the workplac | |
| • 8.1 Contr • Ingredien 123-86-4 WEL | rol parameters nts with limit values th | at require monitoring at the workplac | mg/m |
| ECTION 03 • 8.1 Contu • Ingredieu 123-86-4 WEL SI | rol parameters nts with limit values the <i>N-butyl acetate</i> nort-term value | at require monitoring at the workplac 966 200 | mg/m ppr |
| ECTION 03 • 8.1 Contu • Ingredieu 123-86-4 WEL SI | rol parameters nts with limit values th <i>N-butyl acetate</i> | at require monitoring at the workplac 966 200 724 | e: mg/m. ppn mg/m. |
| • 8.1 Contr • Ingredier 123-86-4 WEL SI | rol parameters nts with limit values the <i>N-butyl acetate</i> nort-term value | at require monitoring at the workplac 966 200 | mg/m. ppn |
| ECTION 03 • 8.1 Contu • Ingredieu 123-86-4 WEL SI | rol parameters nts with limit values the <i>N-butyl acetate</i> nort-term value | at require monitoring at the workplac 966 200 724 150 | mg/m ppr mg/m |
| • 8.1 Contr • Ingredier 123-86-4 WEL SI | rol parameters nts with limit values th <i>N-butyl acetate</i> nort-term value ong-term value | at require monitoring at the workplac 966 200 724 150 | mg/m ppr mg/m |
| ECTION 0 • 8.1 Contri- 123-86-4 WEL SI Lo 108-21-4 WEL | rol parameters nts with limit values th <i>N-butyl acetate</i> nort-term value ong-term value | at require monitoring at the workplac 966 200 724 150 | mg/m ppr mg/m |
| ECTION 03 • 8.1 Contr • Ingredien 123-86-4 WEL SI Lo 108-21-4 WEL | rol parameters hts with limit values the <i>N-butyl acetate</i> hort-term value ong-term value isopropyl acetate | at require monitoring at the workplac 966 200 724 150 | mg/m ppi mg/m ppi |

WEL 560 Short-term value mg/m3 150 ррт Long-term value 375 mg/m3 100 ррт Sk 67-64-1 acetone WEL Short-term value 3620 mg/m3 1500 ррт Long-term value 1210 mg/m3 500 ррт 67-63-0 Propan-2-ol WEL 1250 mg/m3 Short-term value 500 ррт Long-term value 999 mg/m3 400 ррт 78-83-1 iso-butanol (continued on page 6)

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| WEL | | ndescent lamps | |
|--|---|---|-----------------------|
| WEL | | | (continued of page 5) |
| | o ,, . | 224 | (a |
| | Short-term value | 231 | mg/m3 |
| | Long-term value | 75 154 | ppm mg/m3 |
| | Long-lenn value | 50 | ppm |
| 141-78-6 | ethyl acetate | | ppm |
| WEL | , | | |
| | Short-term value | 400 | ррт |
| | Long-term value | 200 | ppm |
| 71-36-3 | Butan-1-ol | | |
| WEL | | | |
| | Short-term value | 154 | mg/m3 |
| | Cl. | 50 | ppm |
| 64-17-5 | Sk | | |
| 64-17-5 WEL | ethanol | | |
| ** | Long-term value | 1920 | mg/m3 |
| | | 1000 | ppm |
| • DNEL | 6 | | rr " |
| H, DN H, DN H, DN H, DN Oral, I Oral, I (0721-4 A, DN A, DN A, DN H, DN H, DN Oral, I 107-98-2 A, DN A, DN A, DN H, DN H, DN H, DN H, DN | DNEL/DMEL: 2 mg/kg (Cons <i>isopropyl acetate</i> EL/DMEL: 252 mg/m3 (Con EL/DMEL: 420 mg/m3 (Wor EL/DMEL: 510 mg/m3 (Con EL/DMEL: 850 mg/m3 (Wor EL/DMEL: 26 mg/kg (Consu EL/DMEL: 43 mg/kg (Worked DNEL/DMEL: 26 mg/kg (Con <i>1-methoxy-2-prop</i> EL/DMEL: 43,9 mg/m3 (Con EL/DMEL: 369 mg/m3 (Wor EL/DMEL: 553,5 mg/m3 (Wor EL/DMEL: 78 mg/kg (Consu EL/DMEL: 183 mg/kg (Worked) | ner, Long Term Exposure) er, Long Term Exposure) ner, Short Term Exposure) sumer, Long Term Exposure) sumer, Long Term Exposure) sumer, Short Term Exposure) sumer, Short Term Exposure) sumer, Short Term Exposure) sumer, Short Term Exposure) wer, Short Term Exposure) and Term Exposure) nsumer, Long Term Exposure) sumer, Long Term Exposure) sumer, Long Term Exposure) sumer, Long Term Exposure) nsumer, Long Term Exposure) sumer, Long Term Exposure) anol nsumer, Long Term Exposure) orker, Short Term Exposure) orker, Short Term Exposure) uner, Long Term Exposure) | |

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| PRODUCT : Dipping lacquer for incandescent lamps (continued of the continued of the contin the continued of the continued of the con | of page 6) |
|---|------------|
| 64742-49-0Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclicsA, DNEL/DMEL: 608 mg/m3 (Consumer, Long Term Exposure)A, DNEL/DMEL: 2035 mg/m3 (Worker, Long Term Exposure)H, DNEL/DMEL: 699 mg/kg (Consumer, Long Term Exposure)H, DNEL/DMEL: 773 mg/kg (Worker, Long Term Exposure)Oral, DNEL/DMEL: 699 mg/kg (Consumer, Long Term Exposure)78-83-1iso-butanolA, DNEL/DMEL: 55 mg/m3 (Consumer, Long Term Exposure)Oral, DNEL/DMEL: 55 mg/m3 (Consumer, Long Term Exposure)0ral, DNEL/DMEL: 55 mg/m3 (Consumer, Long Term Exposure)0ral, DNEL/DMEL: 25 mg/kg (Consumer, Long Term Exposure)0ral, DNEL/DMEL: 310 mg/m3 (Worker, Long Term Exposure)0ral, DNEL/DMEL: 25 mg/kg (Consumer, Long Term Exposure)A, DNEL/DMEL: 367 mg/m3 (Consumer, Long Term Exposure)A, DNEL/DMEL: 367 mg/m3 (Worker, Long Term Exposure)A, DNEL/DMEL: 734 mg/m3 (Worker, Long Term Exposure)A, DNEL/DMEL: 734 mg/m3 (Consumer, Short Term Exposure)A, DNEL/DMEL: 734 mg/m3 (Consumer, Short Term Exposure) | |
| cyclics A, DNEL/DMEL: 608 mg/m3 (Consumer, Long Term Exposure) A, DNEL/DMEL: 2035 mg/m3 (Worker, Long Term Exposure) H, DNEL/DMEL: 699 mg/kg (Consumer, Long Term Exposure) H, DNEL/DMEL: 773 mg/kg (Worker, Long Term Exposure) Oral, DNEL/DMEL: 699 mg/kg (Consumer, Long Term Exposure) 78-83-1 iso-butanol A, DNEL/DMEL: 55 mg/m3 (Consumer, Long Term Exposure) Oral, DNEL/DMEL: 310 mg/m3 (Worker, Long Term Exposure) Oral, DNEL/DMEL: 25 mg/kg (Consumer, Long Term Exposure) Oral, DNEL/DMEL: 310 mg/m3 (Worker, Long Term Exposure) Oral, DNEL/DMEL: 25 mg/kg (Consumer, Long Term Exposure) A, DNEL/DMEL: 310 mg/m3 (Worker, Long Term Exposure) A, DNEL/DMEL: 310 mg/m3 (Worker, Long Term Exposure) A, DNEL/DMEL: 25 mg/kg (Consumer, Long Term Exposure) A, DNEL/DMEL: 367 mg/m3 (Consumer, Long Term Exposure) A, DNEL/DMEL: 734 mg/m3 (Worker, Long Term Exposure) A, DNEL/DMEL: 734 mg/m3 (Consumer, Short Term Exposure) A, DNEL/DMEL: 734 mg/m3 (Consumer, Short Term Exposure) | |
| A, DNEL/DMEL: 608 mg/m3 (Consumer, Long Term Exposure) A, DNEL/DMEL: 2035 mg/m3 (Worker, Long Term Exposure) H, DNEL/DMEL: 699 mg/kg (Consumer, Long Term Exposure) H, DNEL/DMEL: 773 mg/kg (Worker, Long Term Exposure) Oral, DNEL/DMEL: 699 mg/kg (Consumer, Long Term Exposure) 78-83-1 iso-butanol A, DNEL/DMEL: 55 mg/m3 (Consumer, Long Term Exposure) A, DNEL/DMEL: 310 mg/m3 (Worker, Long Term Exposure) Oral, DNEL/DMEL: 25 mg/kg (Consumer, Long Term Exposure) Oral, DNEL/DMEL: 310 mg/m3 (Worker, Long Term Exposure) 141-78-6 ethyl acetate A, DNEL/DMEL: 367 mg/m3 (Consumer, Long Term Exposure) A, DNEL/DMEL: 734 mg/m3 (Worker, Long Term Exposure) A, DNEL/DMEL: 734 mg/m3 (Consumer, Short Term Exposure) | |
| A, DNEL/DMEL: 55 mg/m3 (Consumer, Long Term Exposure) A, DNEL/DMEL: 310 mg/m3 (Worker, Long Term Exposure) Oral, DNEL/DMEL: 25 mg/kg (Consumer, Long Term Exposure) 141-78-6 ethyl acetate A, DNEL/DMEL: 367 mg/m3 (Consumer, Long Term Exposure) A, DNEL/DMEL: 734 mg/m3 (Worker, Long Term Exposure) A, DNEL/DMEL: 734 mg/m3 (Consumer, Short Term Exposure) | |
| A, DNEL/DMEL: 367 mg/m3 (Consumer, Long Term Exposure) A, DNEL/DMEL: 734 mg/m3 (Worker, Long Term Exposure) A, DNEL/DMEL: 734 mg/m3 (Consumer, Short Term Exposure) | |
| H, DNEL/DMEL: 37 mg/kg (Consumer, Long Term Exposure) H, DNEL/DMEL: 63 mg/kg (Worker, Long Term Exposure) Oral, DNEL/DMEL: 4,5 mg/kg (Consumer, Long Term Exposure) | |
| 71-36-3 Butan-1-ol A, DNEL/DMEL: 55 mg/m3 (Consumer, Long Term Exposure) A, DNEL/DMEL: 310 mg/m3 (Worker, Long Term Exposure) Oral, DNEL/DMEL: 3125 mg/kg (Worker, Long Term Exposure) | |
| 64-17-5 ethanol A, DNEL/DMEL: 114 mg/m3 (Consumer, Long Term Exposure) A, DNEL/DMEL: 950 mg/m3 (Worker, Long Term Exposure) A, DNEL/DMEL: 950 mg/m3 (Consumer, Short Term Exposure) A, DNEL/DMEL: 1900 mg/m3 (Worker, Short Term Exposure) H, DNEL/DMEL: 206 mg/kg (Consumer, Long Term Exposure) H, DNEL/DMEL: 343 mg/kg (Worker, Long Term Exposure) Oral, DNEL/DMEL: 87 mg/kg (Consumer, Long Term Exposure) PNECs | |
| 123-86-4N-butyl acetatePNEC: 0,18 mg/l (Fresh water)PNEC: 0,018 mg/l (Seawater)PNEC: 0,36 mg/l (Liberation - sporadic -)PNEC: 35,6 mg/l (Defecator)PNEC: 0,981 mg/kg (sediment (Fresh water))PNEC: 0,0981 mg/kg (sediment (seawater))PNEC: 0,0903 mg/kg (Bottom) | |
| 108-21-4 isopropyl acetate PNEC: 0,22 mg/l (Fresh water) PNEC: 0,022 mg/l (Seawater) PNEC: 1,25 mg/kg (sediment (Fresh water) PNEC: 0,125 mg/kg (sediment (seawater) | |
| 107-98-21-methoxy-2-propanolPNEC: 10 mg/l (Fresh water)PNEC: 1 mg/l (Seawater)PNEC: 100 mg/l (Liberation - sporadic -)PNEC: 100 mg/l (Defecator)PNEC: 52,3 mg/kg (sediment (Fresh water))PNEC: 5,2 mg/kg (sediment (seawater))PNEC: 4,59 mg/kg (Bottom) | |
| 67-64-1 acetone PNEC: 10,6 mg/l (Fresh water) PNEC: 1,06 mg/l (Seawater) PNEC: 21 mg/l (Liberation - sporadic -) PNEC: 100 mg/l (Defecator) (continued of | n page 8) |

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|--|--|
| PRODUCT : Dipping lacquer for incar | idescent lamps |
| PNEC: 30,4 mg/kg (sediment (Fres PNEC: 3,04 mg/kg (sediment (seav | |
| PNEC: 29,5 mg/kg (Bottom) | |
| 67-63-0 Propan-2-ol PNEC: 140,9 mg/l (Fresh water) | |
| PNEC: 140,9 mg/l (Seawater) PNEC: 2251 mg/l (Defecator) | |
| PNEC: 552 mg/kg (sediment (Fres | , |
| PNEC: 552 mg/kg (sediment (seaw PNEC: 28 mg/kg (Bottom) | vater) |
| 78-83-1 iso-butanol PNEC: 0,4 mg/l (Fresh water) | |
| PNEC: 0,04 mg/l (Seawater) | |
| PNEC: 1,52 mg/kg (sediment (Fres PNEC: 0,152 mg/kg (sediment (sea | |
| 141-78-6 ethyl acetate | , |
| PNEC: 0,24 mg/l (Fresh water) PNEC: 0,024 mg/l (Seawater) | |
| PNEC: 650 mg/l (Defecator) PNEC: 1,15 mg/kg (sediment (Fres | sh water) |
| PNEC: 0,115 mg/kg (sediment (sea | |
| PNEC: 0,148 mg/kg (Bottom) 71-36-3 Butan-1-ol | |
| PNEC: 0,082 mg/l (Fresh water) | |
| PNEC: 0,0082 mg/l (Seawater) PNEC: 2476 mg/l (Defecator) | |
| PNEC: 0,178 mg/kg (sediment (Fre PNEC: 0,0178 mg/kg (sediment (se | |
| 64-17-5 ethanol | Samatoly |
| PNEC: 0,96 mg/l (Fresh water) PNEC: 0,79 mg/l (Seawater) | |
| PNEC: 2,75 mg/l (Liberation - spor PNEC: 580 mg/l (Defecator) | adic -) |
| PNEC: 3,6 mg/kg (sediment (Fresh | |
| PNEC: 2,9 mg/kg (sediment (seaw PNEC: 0,63 mg/kg (Bottom) | ater) |
| 8.2 Exposure controls | |
| Personal protective equipment: General protective and hygienic | measures: |
| Keep away from foodstuffs, bevera | iges and feed. |
| Immediately remove all soiled and Avoid contact with the eyes and sk | |
| Respiratory protection: If the sol approved for this purpose must | Ivent concentration is above WEL limits, a breathing mask |
| Protection of hands: The glove n | naterial has to be impermeable and resistant to the product |
| | Selection of the glove material on consideration of the sign and the degradation. Preventive skin protection by use |
| of skin-protecting agents is reco | mmended. Protective gloves made of latex / neoprene. |
| | ment of permeation E to ND (< 0.9 µg / cm 2 / min). subject class 6. After use of gloves apply skin-cleaning |
| agents and skin cosmetics. | |
| | s does not only depend on the material, but also on further marks |
| | turer to manufacturer. As the product is a preparation of several love material can not be calculated in advance and has therefore |
| to be checked prior to the application | |
| Eye protection: Safety glasses Body protection: Protective work | k clothing |
| CP | U |

GB

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PRODUCT : Dipping lacquer for incandescent lamps

| | | (continued of page | |
|---|---|----------------------------|--|
| ECTION 09: Physical and che | emical properties | | |
| 9.1 Information on basic physical and che | mical properties | | |
| General Information | | | |
| Appearance: | | | |
| Form: | Liquid | | |
| Colour: | According to product specifica | | |
| Odour: | Characteristic | | |
| Odour threshold: | Not determined. | | |
| pH-value: | Not usable on solvent preparations. | | |
| Change in condition Phase transfer: fluid - solid | | | |
| Melting point/freezing point: | Undetermined. | | |
| Initial boiling point and boiling range: | 55,0 °C | | |
| Flash point (approximately): | -1,0 °C DIN 51 755 | | |
| Flammability (solid, gas): | Not applicable. | | |
| Ignition temperature (approximately): | 250,00 °C (lowest value of the single compor | ients) | |
| Decomposition temperature: | Not determined. | | |
| Auto-ignition temperature: | Product is not selfigniting. | | |
| Explosive properties: | Product is not explosive. However, formation mixtures are possible. | of explosive air/vapour | |
| Explosion limits: | | | |
| Lower: | 1,40 Vol % | | |
| Upper: | 11,50 Vol % | | |
| Oxidising properties | Not determined | | |
| Vapour pressure: | at 20,00 °C at 50,00 °C | 11,6000 hPa 57,7000 hPa | |
| Density: | 0,8800 g/cm3 | | |
| Vapour density | Not determined. | | |
| Evaporation rate | Not applicable. | | |
| Solubility in / Miscibility with | Organic solvents | | |
| water: | Insoluble. | | |
| Partition coefficient: n-octanol/water: | Not determined. | | |
| Viscosity (according to DIN 53211) | | | |
| Dynamic: | Not determined. | | |
| Kinematic: | at 20,00 °C 35,00 s DIN 4 mm | | |
| Solvent separation test: | < 3 % | | |
| Solvent content (approximately): | | | |
| Organic solvents (approximately): | 92,00 % | | |
| VOC (EC) | 809,00 g/l | | |
| Solids content (approximately): | 8,00 % | | |
| 9.2 Other information | No further relevant information available. | | |

SECTION 10: Stability and reactivity

• 10.1 Reactivity

- On storage in containers no traffic laws intolerances are to be expected with the tank shell.
- 10.2 Chemical stability
- Stable at room temperature
- Thermal decomposition / conditions to be avoided:
- No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions
 Forms explosive gases/fumes.
 Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
 (continued on page 10)

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| | (continued of page 9 |
|---|-----------------------|
| 10.4 Conditions to avoid | |
| No further relevant information available. | |
| 10.5 Incompatible materials: No further relevant information available. | |
| 10.6 Hazardous decomposition products: | |
| Flammable gases/vapours | |
| | |
| ECTION 11: Toxicological information | |
| 11.1 Information on toxicological effects | |
| Acute toxicity: D// 050 values relevant for elegations | |
| LD/LC50 values relevant for classification: 123-86-4 N-butyl acetate | |
| 123-86-4 N-butyl acetate Oral, LD50: 13100 mg/kg (rat) | |
| Dermal, LD50: >5000 mg/kg (Rabbit) | |
| Inhalative, LC50/4h: > 21,1 mg/l (rat) | |
| 108-21-4 isopropyl acetate | |
| Oral, LD50: 6750 mg/kg (rat) Dermal, LD50: 17400 mg/kg (Rabbit) | |
| Inhalative, LC50/4h: 50,6 mg/l (rat) | |
| 107-98-2 1-methoxy-2-propanol | |
| Oral, LD50: 4016 mg/kg (rat) | |
| Dermal, LD50: > 2000 mg/kg (Rabbit) | |
| Inhalative, LC50/4h: > 25,8 mg/l (rat) | |
| 67-64-1 acetone Oral, LD50: 5800 mg/kg (rat) | |
| Dermal, LD50: 20000 mg/kg (Rabbit) | |
| Inhalative, LC50/4h: 76 mg/l (rat) | |
| 67-63-0 Propan-2-ol | |
| Oral, LD50: 4750 mg/kg (rat) | |
| Dermal, LD50: 12800 mg/kg (Rabbit) Inhalative, LC50/4h: 30 mg/l (rat) | |
| 64742-49-0 Hydrocarbons, C7-C9, n-alkanes, isoalkanes, | |
| cyclics | |
| Oral, LD50: > 5840 mg/kg (rat) | |
| Dermal, LD50: > 2920 mg/kg (rat) | |
| Dermal, LD50: > 2000 mg/kg (Rabbit) Inhalative, LC50/4h: > 23,3 mg/l (rat) | |
| 78-83-1 iso-butanol | |
| Oral, LD50: 2830 mg/kg (rat) | |
| Dermal, LD50: > 2000 mg/kg (Rabbit) | |
| Inhalative, LC50/4h: $>$ 18,18 mg/l (rat) | |
| 141-78-6 ethyl acetate Oral, LD50: 5600 mg/kg (rat) | |
| Dermal, LD50: 18000 mg/kg (Rabbit) | |
| Inhalative, LC50/4h: 56 mg/l (rat) | |
| 71-36-3 Butan-1-ol | |
| Oral, LD50: 2292 mg/kg (rat) Dermal, LD50: 2420 mg/kg (Pabbit) | |
| Dermal, LD50: 3430 mg/kg (Rabbit) Inhalative, LC50/4h: 8000 mg/l (rat) | |
| 64-17-5 ethanol | |
| Oral, LD50: > 2000 mg/kg (rat) | |
| Dermal, LD50: > 2000 mg/kg (Rabbit) | |
| Inhalative, LC50/4h: > 20 mg/l (rat) | |
| Primary irritant effect: on the skin: | |
| Frequent and prolonged skin contact can cause irritation and inflan | nmation of the skin. |
| Repeated exposure may cause skin dryness or cracking. | |
| | (continued on page 11 |

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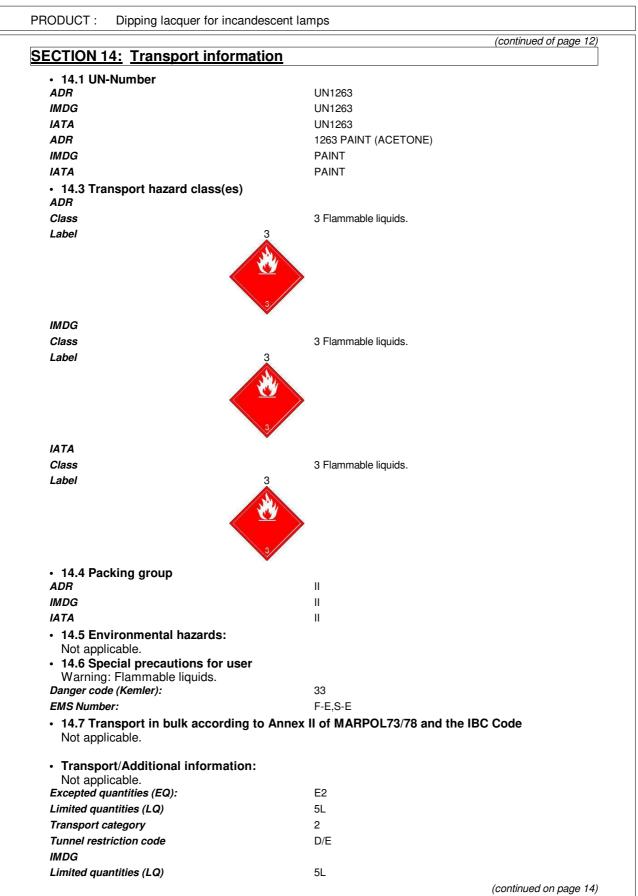
Reviewed on: 27.03.2018 8

| | Reviewed on: 27.03.201 Printing date: 27.03.201 |
|--|---|
| PRODUCT : | Dipping lacquer for incandescent lamps |
| | (continued of page 10) |
| on the e | |
| - | ritant with the danger of severe eye injury. |
| Sensitiz | ation: itising effects known. |
| | nal toxicological information: |
| | athing in of solvent proportions above the value of M. W. Cvalue can lead to health |
| damage well as t and tirec and repe splashes | s, such as irritating mucous membranes and respiratory organs, kidney and liver damages as o the impairment of the central nervous system. Signs and symptoms: Headache, dizziness lness, myasthenia, numbing effect and also unconsciousness in exceptional cases. Longer eated skin contact can lead to drying out the skin or to skin irritations, respectively. Solvent s can lead to eye irritations and reversible damages. In such cases a physician should be d at once. |
| The proc | duct shows the following dangers based on the calculation method of the General EU ation Guidelines for Substances and Mixtures according to the CLP Regulation in the latest |
| Eye Dan STOT S | n. 1 - H318 Causes serious eye damage. E 3 - H336 May cause drowsiness or dizziness. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| | |
| SECTION 1 | 2: Ecological information |
| | |
| 12.1 To: Aquatic | |
| 123-86-4 | N-butyl acetate |
| | L(E)C50: 18 mg/l (fish) |
| | L(E)C50: 675 mg/l (alga) |
| | L(E)C50: 44 mg/l (daphnie) |
| | NOEC: 200 mg/l (alga) |
| 108-21-4 | <i>isopropyl acetate</i> L(E)C50: 360 mg/l (fish) |
| | L(E)C50: 370 mg/l (alga) |
| | L(E)C50: > 1000 mg/l (daphnie) |
| 107-98-2 | 1-methoxy-2-propanol |
| | L(E)C50: > 1000 mg/l (fish) |
| | L(E)C50: > 1000 mg/l (alga) |
| Dermal, | L(E)C50: 23300 mg/l (daphnie) |
| 67-64-1 | <i>acetone</i> L(E)C50: 8120 mg/l (fish) |
| | L(E)C50: 3400 mg/l (alga) |
| | L(E)C50: 12100 mg/l (daphnie) |
| 67-63-0 | Propan-2-ol |
| | L(E)C50: 9640 mg/l (fish) |
| | L(E)C50: 13299 mg/l (daphnie) |
| 64742-49-0 | ······································ |
| Dermal. | <i>cyclics</i> L(E)C50: 4,6 - 10,0 mg/l (daphnie) |
| 78-83-1 | iso-butanol |
| · · · · · · | L(E)C50: 1430 mg/l (fish) |
| | L(E)C50: 1250 mg/l (alga) |
| | L(E)C50: 1100 mg/l (daphnie) |
| | NOEC: 53 mg/l (alga) NOEC: 20 mg/l (daphnie) |
| 141-78-6 | ethyl acetate |
| | L(E)C50: 230 mg/l (fish) |
| | L(E)C50: 3300 mg/l (alga) |
| | L(E)C50: 610 mg/l (daphnie) |
| | NOEC: 2,4 mg/l (daphnie) |
| 71-36-3 | Butan-1-ol (continued on page 12) |
| | (contracted on page 12) |

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| | Dinning languar for incondessant lange |
|--|---|
| RODUCT | |
| Dorm | al, L(E)C50: 1730-1910 mg/l (fish) (continued of page 11 |
| | al, $L(E)C50: > 500 \text{ mg/l} (alga)$ |
| | al, L(E)C50: 1983 mg/l (daphnie) |
| 64-17-5 | ethanol |
| Derm | al, L(E)C50: 15300 mg/l (fish) |
| | al, L(E)C50: > 10000 mg/l (daphnie) |
| | Persistence and degradability |
| | ther relevant information available. |
| | Bioaccumulative potential rther relevant information available. |
| | Mobility in soil |
| | ther relevant information available. |
| | oxical effects: |
| • Rema | ırk: |
| | ful to fish |
| | ional ecological information: |
| | ral notes: |
| | ful to aquatic organisms. It allow product to reach ground water, water course or sewage system |
| | t allow product to reach ground water, water course or sewage system. Results of PBT and vPvB assessment |
| • PBT: | |
| | oplicable. |
| • vPvB | |
| Not a | oplicable. |
| | Other adverse effects |
| No fu | ther relevant information available. |
| | |
| | |
| | I 13: Disposal considerations |
| | Vasto treatment methods |
| • 13.1 | Naste treatment methods |
| • 13.1 • Reco | Naste treatment methods mmendation |
| 13.1 Reco The n | Naste treatment methods |
| • 13.1 • Reco The n a reco waste | Naste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded mmendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. |
| 13.1 Reco The n a reco waste Wast | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded mmendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: |
| 13.1 Reco The n a reco waste Wast 08 01 | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded ommendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances |
| 13.1 Reco The n a reco waste Wast 08 01 Euro | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded mmendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: |
| 13.1 Reco The n a reco waste Wast 08 01 Euro 08 | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded ommendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue |
| 13.1 Reco The n a reco waste Wast 08 01 Euro 08 WAST | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded ommendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances |
| 13.1 V Reco The n a reco waste Wast 08 01 Europ 08 WAST COAT AND | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded formmendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS |
| 13.1 V Reco The n a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded formmendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS |
| 13.1 V Reco The n a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 wast | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded formmendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish |
| 13.1 Reco The n a reco waste Wast 08 01 Euro 08 WAST COAT AND 08 0 wast 08 0 | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded formmendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish |
| 13.1 V Reco The n a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 wast 08 0 wast | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded formmendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish 1 11 |
| 13.1 V Reco The n a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 wast 08 0 wast subs | Waste treatment methods mmendation hentioned waste code number according to the European waste code catalogue are regarded formmendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish 1 11 e paint and varnish containing organic solvents or other hazardous tances |
| 13.1 V Reco The n a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 wast 08 0 wast subs Uncle | Waste treatment methods mmendation hentioned waste code number according to the European waste code catalogue are regarded a commendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. a disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish 1 11 e paint and varnish containing organic solvents or other hazardous tances |
| 13.1 V Reco The m a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 wast 08 0 wast subs Uncle Dispon | Waste treatment methods mmendation hentioned waste code number according to the European waste code catalogue are regarded a commendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. a disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish 1 11 e paint and varnish containing organic solvents or other hazardous tances baned packaging: sal of uncleaned packagings according to European waste code number 15 01 10. |
| 13.1 V Reco The m a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 wast 08 0 wast subs Uncle Dispo Reco | Waste treatment methods mmendation nentioned waste code number according to the European waste code catalogue are regarded ommendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances been waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish 1 11 e paint and varnish containing organic solvents or other hazardous tances eaned packaging: sal of uncleaned packagings according to European waste code number 15 01 10. mmendation: |
| 13.1 V Reco The m a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 wast 08 0 wast subs Uncle Dispon Reco Dispon | Waste treatment methods mmendation hentioned waste code number according to the European waste code catalogue are regarded for disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish 1 1 1 a paint and varnish containing organic solvents or other hazardous tances beaned packaging: sal of uncleaned packagings according to European waste code number 15 01 10. mmendation: sal according to 15 01 04 (metal). |
| 13.1 V Reco The n a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 wast 08 0 wast subs Uncle Dispon Reco Dispon EAK- | Waste treatment methods mmendation hentioned waste code number according to the European waste code catalogue are regarded ommendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. a disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish 1 11 e paint and varnish containing organic solvents or other hazardous tances reaned packaging: sal of uncleaned packagings according to European waste code number 15 01 10. mmendation: sal according to 15 01 04 (metal). Nummer 15 01 02 / plastic |
| 13.1 V Reco The n a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 wast 08 0 wast subs Uncle Dispon Reco Dispon EAK- Packa | Waste treatment methods mmendation hentioned waste code number according to the European waste code catalogue are regarded for disposal as well as the competent authorities. e disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish 1 1 1 a paint and varnish containing organic solvents or other hazardous tances beaned packaging: sal of uncleaned packagings according to European waste code number 15 01 10. mmendation: sal according to 15 01 04 (metal). |
| 13.1 V Reco The n a reco waste Wast 08 01 Europ 08 WAST COAT AND 08 0 wast 08 0 wast subs Uncle Dispon Reco Dispon Reco Packa Reco | Waste treatment methods mmendation hentioned waste code number according to the European waste code catalogue are regarded is mmendation. A final determining has to be effected in agreement with the regional place of disposal as well as the competent authorities. a disposal key: 11 waste paint and varnish containing organic solvents or other hazardous substances bean waste catalogue ES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF INGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS PRINTING INKS 1 es from MFSU and removal of paint and varnish 1 11 e paint and varnish containing organic solvents or other hazardous tances tances tances tances tances tance of uncleaned packagings according to European waste code number 15 01 10. mmendation: sal according to 15 01 04 (metal). Nummer 15 01 02 / plastic aging can be reused or recycled after cleaning. |

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| Excepted quantities (EQ) E2 UN "Model Regulation": UN 1263 PAINT (ACETONE), 3, II ECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials. REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3 National regulations: Information about limitation of use: Pregnant and breastleeding women and young persons. IS2 Chemical safety assessment: For this product no appraisal of substance safety was carried out. Information from exposure scenarios of the following substances were integrated into section 1-16: N-butyl acetate ethanol lsobutanol Propan-2-ol isopropia acetate 1-methcoy-2-propanol The compliance with the application conditions and measures for risk minimisation contained in this material safety data sheet ensures the conformity with the existing exposure scenarios. Storage class: 3 ECTION 16: Other information CHE information: Refevent parases EUH066 Regulated exposure may cause skin dryness or cracking. H225 Highly flammable liquid and vapour. H226 Harmable liquid and vapour. H236 May ucause drowsiness or dizzines. H336 May cause drowsiness or dizzines. H336 May cause drowsiness or dizzines. H336 May cause drowsiness or dizzines. H337 | | | | (continued of page 13 |
|---|---|---|--|-----------------------------------|
| UN 1283 PAINT (ACETONE), 3, II ECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture 1abelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials. REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3 National regulations: Information about limitation of use: Pregnant and breastfeeding women and young persons. 15.2 Chemical safety assessment: For this product no appraisal of substance safety was carried out. Information from exposure scenarios of the following substances were integrated into section 1-16: N-butyl acetate ethanol Isobutanol Propan-2-ol isopropyl acetate 1-methoxy-2-propanol The compliance with the application conditions and measures for risk minimisation contained in thi material safety data sheet ensures the conformity with the existing exposure scenarios. Storage class: 3 ECTION 16: Other information Other information: Readown of Charges P-statements were adjusted according to the classification. Relevant phrases EUH066 Repeated exposure may cause skin dryness or cracking. H226 Highly flammable liquid and vapour. H226 Highly flammable liquid and vapour. H226 Highly flammable liquid and vapour. H226 Highly dard ad on apour. H226 Highly dard according to the classification. H318 Causes serious eye damage. H319 Causes serious eye damage. H310 Causes serious eye damage. H311 Toxic to aquatic life with long lasting effects. Classification according to the classificet on the dauged process. H411 Toxic to aquatic life with long lasting effects. Classification on the mixture is generally based on the calculation method using substance data | | | E2 | |
| ECTION 15: Regulatory information • 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture • Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials. • REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3 • National regulations: • Information about limitation of use: Pregnant and breastleeding women and young persons. • 15.2 Chemical safety assessment: For this product no appraisal of substance safety was carried out. Information from exposure scenarios of the following substances were integrated into section 1-16: N-butyl acetate ethanol Isobutanol Propan-2-ol isopropyl acetate 1-methoxy-2-propanol The compliance with the application conditions and measures for risk minimisation contained in thi material safety data sheet ensures the conformity with the existing exposure scenarios. Storage class: 3 3 ECTION 16: Other information • Other information: • Reasons for change P-statements were adjusted according to the classification. • Relevant phrases EUH066 Repeated exposure may cause skin dryness or cracking. • H225 Highly flammable liquid and vapour. • H226 Flammable liquid and vapour. • H226 Harmful if swallowed and enters airways. • H316 Causes serious eye dimage. • H318 Causes serious eye dimage. • H318 Causes serious eye initation. • H336 May cause respiratory irritation. • H33 | | | | |
| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials. REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3 National regulations: Information about limitation of use: Pregnant and breastfeeding women and young persons. 15.2 Chemical safety assessment: For this product no appraisal of substance safety was carried out. Information from exposure scenarios of the following substances were integrated into section 1-16: N-butyl acetate acetone Butan-1-ol ethyl acetate ethanol Isobutanol Propan-2-ol isopropyl acetate 1-methoxy-2-propanol The compliance with the application conditions and measures for risk minimisation contained in this material safety data sheet ensures the conformity with the existing exposure scenarios. Storage class: Other Information: Other Information: Reasons for changes P-statements were adjusted according to the classification. Relevant phrases EUH066 Repeated exposure may cause skin dryness or cracking. H225 Highly flammable liquid and vapour. H330 May cause serious eve damage. H315 Causes serious eve damage. H319 Causes serious eve damage. H311 Toxic to aquatic life with long lasting effects. Classification according to Regulation (EC) No 1272/2008 The classification of the mixture is generally based on the calculation method using substance data | | | | |
| mixture Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials. REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3 National regulations: Information about limitation of use: Pregnant and breastfeeding women and young persons. 15.2 Chemical safety assessment: For this product no appraisal of substance safety was carried out. Information from exposure scenarios of the following substances were integrated into section 1-16: N-butyl acetate acetone Butan-1-ol ethyl acetate ethanol Isobutanol Propan-2-ol isopropyl acetate 1-methoxy-2-propanol The compliance with the application conditions and measures for risk minimisation contained in thi material safety data sheet ensures the conformity with the existing exposure scenarios. Storage class: 3 Other information: • Other information: • Other information: • Reasons for changes P-statements were adjusted according to the classification. • Relevant phrases EUH066 Repeated exposure may cause skin dryness or cracking. H225 Highly flammable liquid and vapour. H226 Harmful if swallowed. H336 May cause respiratory irritation. H336 May cause drowsiness or diazines. H411 Toxic to aquatic life with long lasting effects. • Classification according to Regulation (EC) No 1272/2008 The classification of the mixture is generally based on the calculation method using substance data | ECTION 15: | Regulatory informa | ation | |
| The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials. REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3 National regulations: Information about limitation of use: Pregnant and breastfeeding women and young persons. Stocenarios of the following substances were integrated into section 1-16: N-butyl acetate Conditions of the following substances were integrated into section 1-16: N-butyl acetate Butan-1-ol ethyl acetate Conditions of the application conditions and measures for risk minimisation contained in thi material safety data sheet ensures the conformity with the existing exposure scenarios. Storage class: Condensity of the following substances were integrated into section 1-16: Conditions of the application conditions and measures for risk minimisation contained in thi material safety data sheet ensures the conformity with the existing exposure scenarios. Storage class: Condensity of the information Other information: Relevant phrases EUH066 Repeated exposure may cause skin dryness or cracking. H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H226 Flammable liquid and vapour. H226 Hamful if swallowed. H336 May cause serious eye damage. H339 Causes serious eye damage. H339 May cause drowsiness or clazines. H331 Causes serious eye damage. H339 May cause drowsiness or clazines. H331 Causes serious eye damage. H331 Causes serious eye damage. H333 May cause drowsiness or clazines. H332 May cause drowsiness or clazines. H333 May cause drowsiness or clazines. H333 May cause drowsiness or clazines. H333 May cause drowsiness or clazines. H334 May cause drowsiness or clazines. H335 May cause drowsiness or clazines. H336 May cause drowsiness | - | , health and environme | ntal regulations/legislation | specific for the substance or |
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|----------------------------|---|
| • Depart | ment issuing MSDS: |
| | tory / Department of Material Safety Data Sheets: Phone: +49 69 89 00 7 - 104 / Fax: +49 69 |
| | 7 - 48104/ E-Mail: cosima.sattler@clou.de |
| 00 00 1 | |
| Inform | ation: |
| | ormation given in this safety data sheet is based on the present level of knowledge, but does |
| | resent an assurance of product characteristics. |
| | er is responsible for observing all necessary legal regulations. |
| | ther information on the handling and application of the product(s), please refer to our label a |
| | hnical instructions leaflet or contact our Customer Service Department on Tel.: +49 69 / 89 0 |
| | -107 or -227. |
| | ling to § 14 GefStoffV the employer must provide instruction to the employees affected on the |
| | of the operating instructions every year. The content and time of the instruction is to be |
| | ed in writing and confirmed by signatures from those receiving instruction. |
| | observe work safety measures in items 8 and 15. |
| | ly for intended purposes. Keep out of the reach of children. |
| | viations and acronyms: |
| | Accord européen sur le transport des marchandises dangereuses par Route (European |
| | nent concerning the International Carriage of Dangerous Goods by Road) |
| RĬD: R | èglement international concernant le transport des marchandises dangereuses par chemin d |
| | gulations Concerning the International Transport of Dangerous Goods by Rail) |
| | International Maritime Code for Dangerous Goods |
| | nternational Air Transport Association |
| | International Civil Aviation Organisation |
| | Globally Harmonised System of Classification and Labelling of Chemicals |
| | S: European Inventory of Existing Commercial Chemical Substances |
| | S: European List of Notified Chemical Substances |
| CAS: C | 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 |
| | Lethal dose, 50 percent |
| | Persistent, Bioaccumulative and Toxic |
| | Substances of Very High Concern |
| | very Persistent and very Bioaccumulative |
| * Data | compared to the previous version altered. |