

DEK STANDARD ENGINEERING INSTRUCTION

Title

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PAINT: CLEAR GLOSS

DSF 2.9.0

TWO PACK ACRYLIC PAINT

Issue	01	02	03	04	05	06	07	08
DCR								

EQUES

Eques Coatings B.V.
P.O. Box 222, 5340 AE Oss



COATINGS

SPRAYING EXAMPLE TWO-PACK CLEARCOAT

CODE NUMBER: 1322 030 31624 (DEK: DSF 2.9.0)

Components	:	100,0 kg pigment suspension	1322 030 31624
		30,0 kg Hardener	1330 500 55202

The components should be mixed thoroughly before spraying.

The potlife of the mixed paint is approx. 4 hours.

Spraying viscosity	:	14 - 16 s DIN 4 (cup ϕ 4 mm)
Thinner	:	1322 526 73001 (Appr. 50%)
Spray gun	:	Airgun
Nozzle aperture	:	1,4 mm ϕ
Spraying pressure	:	3 bar
Dry film thickness	:	40 - 50 μ m
Drying	:	24 hours at roomtemperature or min. 15 minutes flash-off followed by 30 minutes at 80°C followed by throughhardening at roomtemperature.

Remarks: If a second layer has to be applied, this should be done within 24 hours.

Spraying equipment should be cleaned immediately after use with thinner

Colour: CLEAR GLOSS

Gloss: >90 , according ISO 2813 (60°) .

1322 030 31624 (0004)
SH 112 - 1 (1)

MATERIAL SAFETY DATA SHEET

According EC 91/155

1. Identification of the substance/preparation

MSDS : 20185
Product code 12nc : 1322 030 31624
Supplier : EQUES COATINGS B.V.
Tradename : ACRYLATE RESIN PAINT (2K) TRANSPARENT
General description : ACRYLATE RESIN PAINT
Use : Miscellaneous
Publicationdate : 2002-07-24

Emergency phonenumber +31 (0)497-598315

2. Composition/information on ingredients

Component	CAS-number	EC-number	Percentage	EC-label
BUTYL ACETATE, N-	123-86-4	204-658-1	<15 %	R: 10-66-67
XYLENE	1330-20-7	215-535-7	≥20 %	Xn;R: 10-20/21-38
METHOXY-2-PROPANOLACETATE, 1-	108-65-6	203-603-9	<20 %	Xi;R: 10-36

3. Hazard identification



R-phrases
- Flammable.
- Harmful by inhalation and in contact with skin.
- Irritating to skin.

4. First-aid measures

Skin : Remove contaminated clothes as soon as possible. Remove residue substance as soon as possible (f.i. rinse with much water). In case of a serious exposure call for a doctor.
Ingestion : If victim is conscious let him drink 1 or 2 glasses of water. In case of general disorders bring victim into the hospital, otherwise call for a doctor.
Inhalation : Bring victim into the fresh air as soon as possible and let rest. In case of severe exposure call for a doctor. In case of breathing problems, loose squeezing clothes and if victim is conscious bring victim in high sitting position. In case of stagnation of breathing give IMMEDIATELY oxygen and transport to hospital as soon as possible.
Eyes : Rinse for a long time with a lot of water. In case of eye-sight disturbances bring victim immediately into the hospital, in other cases call for a doctor
Remarks first aid : none

5. Fire fighting measures

Fire-extinguisher : carbon dioxide, extinguishing powder, water spray, alcohol resistant foam
Hazardous decomposition products in fire : carbon monoxide

6. Accidental_release measures

Spillage procedure : Absorb the liquid in appropriate absorbent (e.g. Powersorb, dry sand, diatomite, vermiculite etc.), shovel the mixture into plastic bags and remove to the central depot for hazardous waste.
Emergency procedure : not applicable

7. Handling and storage

Local exhausting : Depends on processing circumstances, but at least good room ventilation.

Storage conditions : Do not store product close to ignition sources.

8. Exposure controls/personal protection

Exposure limits :

TLV:	710 mg/m3	BUTYL ACETATE, N-(With moistered air acetic acid and n-butanol are formed). applicable to: Netherlands (20 °C; 1013 mbar)
TLV:	723 mg/m3	BUTYL ACETATE, N-(With moistered air acetic acid and n-butanol are formed).
STEL:	964 mg/m3	BUTYL ACETATE, N-(With moistered air acetic acid and n-butanol are formed). applicable to: Belgium (20 °C; 1013 mbar)
TLV:	710 mg/m3	BUTYL ACETATE, N-(With moistered air acetic acid and n-butanol are formed).
STEL:	950 mg/m3	BUTYL ACETATE, N-(With moistered air acetic acid and n-butanol are formed). applicable to: United States (25 °C; 1013 mbar)
TLV:	950 mg/m3	BUTYL ACETATE, N-(With moistered air acetic acid and n-butanol are formed). applicable to: Germany (25 °C; 1013 mbar)
TLV:	210 mg/m3	S XYLENE applicable to: Netherlands (20 °C; 1013 mbar)
TLV:	440 mg/m3	XYLENE(all isomers)
STEL:	660 mg/m3	XYLENE(all isomers) applicable to: Belgium (20 °C; 1013 mbar)
TLV:	430 mg/m3	XYLENE
STEL:	650 mg/m3	XYLENE applicable to: United States (25 °C; 1013 mbar)
TLV:	550 mg/m3	METHOXY-2-PROPANOLACETATE, 1- applicable to: Netherlands (20 °C; 1013 mbar)
TLV:	275 mg/m3	S METHOXY-2-PROPANOLACETATE, 1-
STEL:	550 mg/m3	S METHOXY-2-PROPANOLACETATE, 1- applicable to: Belgium (20 °C; 1013 mbar)

C=Ceiling; S=Skin

Remarks exposure limits :

none

Odour threshold (20°C; 1013 mbar) :

≥0.290 - ≤33.81 mg/m3	BUTYL ACETATE, N-
0.22 mg/m3	XYLENE

Advised personal protection :

skin	: butyl rubber gloves
eyes	: safety goggles
inhalation	: none (when sufficient exhausting)

9. Physical and chemical properties

Physical state	: liquid
Colour	: type dependent
Odour	: specific
Vapor rate/range	: not traceable
Boiling point/range	: ≥120 °C (1013 mbar)
Melting point/range	: not traceable
Flash point/range	: ≥21 °C - ≤55 °C
Explosive limits	: LEL: ≥1 vol.% - UEL: ≤10.8 vol.%
Dust explosions possible in air	: not applicable
Relative density	: ≥0.98 - ≤1.02 (water=1) (20 °C)
Vapour pressure	: 1.3 kPa (20 °C)
Solubility in water	: partial
Solubility in fat	: not traceable
pH	: ≥4 - ≤5
Viscosity	: type dependent
Autoignition temperature	: >315 °C
Decomposition temperature	: not traceable
Electrostatic chargement	: not traceable

10. Stability and reactivity

Conditions to avoid	: none
Reactions with water	: no
Hazardous reactions with	: oxidizing substances, acids
Hazardous decomposition products at heating	: none

11. Toxicological information

Symptoms

Skin	* local	: The substance is irritating: redness, pain.
	general	: Degreasing: in case of sustained contact a rough, dry skin, eczema.
Ingestion	* local	: The substance is irritating: sore throat, abdominal pain.
	general	: The substance may be absorbed after ingestion.
Inhalation	* local	: The substance is with atomising irritating: sore throat, coughing.
	general	: The substance may be absorbed after inhalation.
Eyes	* local	: The substance is irritating: redness, pain.
* Remarks symptoms	:	The substance has an effect on: the liver, the kidneys, the nervous system.

Toxicity	:	LD-50: 10.78 g/kg (ORL-RAT), BUTYL ACETATE, N-
	:	LC-50: 2000 ppm/4H (IHL-RAT), BUTYL ACETATE, N-
	:	LD-50: 5 g/kg (SKN-RBT), BUTYL ACETATE, N-
	:	LD-50: 4.3 g/kg (ORL-RAT), XYLENE
	:	LC-50: 5000 ppm/4H (IHL-RAT), XYLENE
	:	LD-50: 1.87 g/kg (ORL-RAT), METHOXY-2-PROPANOLACETATE, 1-
	:	LD-50: >5 g/kg (SKN-RBT), METHOXY-2-PROPANOLACETATE, 1-

12. Ecotoxicological information

Biological oxygen demand (5)	: 1.35 g/g BUTYL ACETATE, N- 0.5 g/g XYLENE
Chemical oxygen demand	: 0.0011 g/g METHOXY-2-PROPANOLACETATE, 1- 2.32 g/g BUTYL ACETATE, N- 0.45 g/g XYLENE
Biological(5)/chemical oxygen demand ratio	: 0.0017 g/g METHOXY-2-PROPANOLACETATE, 1- 0.58 BUTYL ACETATE, N-
Biochemical factor	: ≥ 4 - ≤ 14 BUTYL ACETATE, N-
Log Po/w	: 1.81 BUTYL ACETATE, N- ≥ 2.8 - ≤ 3.2 XYLENE
Ecotoxicity	: 0.43 METHOXY-2-PROPANOLACETATE, 1- LC-50: 18 mg/l/96H (Fish), BUTYL ACETATE, N- EC-50: 32 mg/l/48H (Daphnia), BUTYL ACETATE, N- LC-50: 3.77 mg/l/96H (Fish), XYLENE EC-50: 0.6 mg/l/48H (Daphnia), XYLENE IC-50: 10 mg/l/72H (Algae), XYLENE LC-50: ≥ 100 - ≤ 180 mg/l/96H (Fish), METHOXY-2-PROPANOLACETATE, 1- EC-50: 408 mg/l/48H (Daphnia), METHOXY-2-PROPANOLACETATE, 1-
Remarks on ecotoxicity	: none

13. Disposal considerations

Remainder material or uncleaned empty packagings have to be incinerated in a proper installation or dumped on an approved landfill, in accordance with local and national legislation. Consider also return delivery to supplier. Uncleaned empty packagings may contain inflammable and/or explosive mixtures.

14. Transport information

ADR/RID	UN-number	: 1263 PAINT
	Class	: 3
	Packinggroup	: III
	Transport emergency card	: 30g35
IMO	UN-number	: 1263 PAINT
	Class	: 3
	Packinggroup	: III
	Marine pollutant	: no
IATA/ICAO	UN-number	: 1263 PAINT
	Class	: 3
	Packinggroup	: III

15. Regulatory information

Hazard symbol

Xn (HARMFUL)

R-phrases

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

38 Irritating to skin.

S-phrases

36/37 Wear suitable protective clothing and gloves.

Hazardous component(s) : XYLENE**Remarks on EC-labeling** : none

16. Other information

Remarks on MSDS : none**Inner company references** : none**Overview relevant R-sentences from all components in section 2 :**

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

36 Irritating to eyes.

38 Irritating to skin.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

Date last update : 2002-09-12

* Point to alterations with regard to the previous version.

The information provided in this Material Safety Data Sheet is correct to the best of the knowledge, information and belief of EQUES COATINGS B.V. at the date of its printing.