Safety data sheet

according to 1907/2006/EC, Article 31

Version number: 10232100
Revision: 02.11.2022
Printing date: 08.11.2022

01 Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier

- Trade name:
  DNE Rep-Set Interior
- Article number:
  14889

- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation
  Coating material
- Uses advised against
  All other uses.
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  Karl Bubenhofer AG
  Hirschenstrasse 26
  CH-9201 Gossau SG
  Telephone: +41 (0)71/387 41 41, Telefax: +41 (0)71/387 41 51
  Contact for information (office hours): Regulatory Affairs,
  Dr. Christina Ott, Telephone: +41 (0)71/387 41 35,
  Telefax: +41 (0)71/387 43 04
  E-mail: ott.christina@kabe-farben.ch
- Sales Organization in Germany:
  KABE Pulverlack Deutschland GmbH Sofienstrasse 36 D-76676 Graben-Neudorf Telephone: +49(0)7255 99-161, Telefax: +49(0)7255 99-163 (office hours)
- Sales Organization in Austria:
  KABE-Farben GmbH Langegasse 31 A-6850 Dornbirn Telephone (office hours): +43 (0)5572-21568 Telefax: +43 (0)5572-20946
- Sales Organization in Poland:
  Farby KABE Polska Sp. z o.o., ul. Slaska 88 40-742 Katowice Tel. +48 32 204 64 60, fax +48 32 204 64 66, (office hours)
  proszkowe@farbykabe.pl
- 1.4 Emergency telephone number
  Switzerland: Tox Info Swiss, Telephone: +41 (0)44/251 66 66 Germany: Poisoning emergencies Berlin: +49(0)30-19240 Austria: Poisoning emergencies: +43 (0)1/4064343 Polen: National Poison Information Centre and Clinical Department of Toxicology: +48(42)6579900

02 Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  Void
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms
  Void
- Signal word
  Void
- Hazard statements
  EUH210 Safety data sheet available on request.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT:
  Not applicable.
- vPvB:
  Not applicable.

03 Composition/information on ingredients

- 3.2 Chemical characterization: Mixtures

- Hazardous components:

CAS Number		%
111-76-2	**2-butoxyethanol** EC number: 203-905-0 Record number 01-2119475108-36 Acute Tox. 4 - H302, Acute Tox. 4 - H312, Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319 Oral: ATE = 1200 mg/kg	**1 - <5**

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64742-95-6	**Hydrocarbons, C9, aromatics** Record number 01-2119455851-35 Asp. Tox. 1 - H304; Flam. Liq. 3 - H226; STOT SE 3 - H335-H336; Aquatic Chronic 2 - H411	**1 - <5**
108-01-0	**2-dimethylaminoethanol** EC number: 203-542-8 Record number 01-2119492298-24 Skin Corr. 1B - H314; Acute Tox. 3 - H331; Flam. Liq. 3 - H226; Acute Tox. 4 - H302, Acute Tox. 4 - H312; STOT SE 3; H335: C >= 5 %	**0,05 - <1**
67-64-1	**acetone** EC number: 200-662-2 Record number 01-2119471330-49 Flam. Liq. 2 - H225; Eye Irrit. 2 - H319, STOT SE 3 - H336; EUH066	**0,05 - <1**
34590-94-8	**Dipropylene glycol monomethyl ether** EC number: 252-104-2 Record number 01-2119450011-60 substance with a Community workplace exposure limit.	**0,05 - <1**
104-76-7	**2-Ethyl-1-hexanol** EC number: 203-234-3 Acute Tox. 4 - H332, Skin Irrit. 2 - H315, Eye Irrit. 2 - H319, STOT SE 3 - H335	**0,01 - <0,05**

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

04 First aid measures

- 4.1 Description of first aid measures
- General information:
  Immediately remove any clothing soiled by the product.
  Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
  In case of unconsciousness place patient stably in side position for transportation.
- After inhalation:
  Supply fresh air or oxygen; call for doctor.
- After skin contact:
  Immediately wash with water and soap and rinse thoroughly.
  Call a doctor immediately.
- After eye contact:
  Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:
  Do not induce vomiting; call for medical help immediately.
  Rinse out mouth and then drink plenty of water.
- Information for doctor:
- 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.

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05 Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:
  Alcohol resistant foam, extinguishing powder, carbon dioxide, water fog.
- For safety reasons unsuitable extinguishing agents:
  Full water jet, inert gas under high pressure (e.g. carbon dioxide)
- 5.2 Special hazards arising from the substance or mixture
  Fire will produce dense black smoke. Inhalation of decomposition or combustion products can cause serious damage to health. Cool closed containers with sprayed water fog. Do not allow run-off from fire fighting to enter soil, drains, surface or ground water.
- 5.3 Advice for firefighters
  Wear autonomous breathing equipment and chemical protection suit.
- Protective equipment:
  No special measures required.

06 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
  Provide adequate ventilation and keep away from ignition sources. Do not inhale vapours, use breathing equipment if necessary.
  Refer to protectiv measures listed in sections 7 and 8.
- 6.2 Environmental precautions:
  Do not allow to enter soil, drains, surface or ground water. In case of contamination, notify the responsible authorities according to the local laws.
- 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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.

07 Handling and storage

- 7.1 Precautions for safe handling
  Avoid formation of inflammable and explosive vapour/air mixtures and do not exceed upper toxic limits. Provide good ventilation of rooms, including the floor region (vapours are heavier than air). Exhaust contaminated air only via suitable filter to the outside air. Do not inhale vapours and spray fog. If ventilation inadequate, wear respiratory protection and if necessary a fresh-air mask. Avoid contact with eyes and skin. Do not eat, drink or smoke. Avoid the formation of aerosols.
- 7.2 Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:
  Observe national regulations and label precautions. Store dry and not above 25°C. Provide good ventilation. Protect against frost and heat, e.g. direct sunshine. Store container carefully closed and upright to avoid all leaks. Provide adequately dimensioned collecting basin without outlet. Always keep in containers that are equivalent to the original one.
- Information about storage in one common storage facility:
  Do not store together with alkalis (caustic solutions).
  Do not store together with oxidising and acidic materials.
- Further information about storage conditions:
  None.
- 7.3 Specific end use(s)
  No further relevant information available.

08 Exposure controls/personal protection

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

111-76-2 2-butoxyethanol

WEL

Short-term value	**246**	**mg/m3**
	50	**ppm**
Long-term value	**123**	**mg/m3**
	25	**ppm**

Sk, BMGV

108-01-0 2-dimethylaminoethanol

WEL

Short-term value	**22**	**mg/m3**

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		6	**ppm**
	Long-term value	**7.4**	**mg/m3**
		2	**ppm**
67-64-1	**acetone**		
WEL			
	Short-term value	**3620**	**mg/m3**
		1500	**ppm**
	Long-term value	**1210**	**mg/m3**
		500	**ppm**
34590-94-8	**Dipropylene glycol monomethyl ether**		
WEL			
	Long-term value	**308**	**mg/m3**
		50	**ppm**
	Sk		
104-76-7	**2-Ethyl-1-hexanol**		
WEL			
	Long-term value	**5.4**	**mg/m3**
		1	**ppm**

- Ingredients with biological limit values:

111-76-2 2-butoxyethanol
BMGV
240 mmol/mol creatinine
Medium: urine
Sampling time: post shift
Parameter: butoxyacetic acid

- Additional information:
  The lists valid during the making were used as basis.
- 8.2 Exposure controls
  Provide adequate ventilation by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentration of particulates and vapour respectively below exposure limits related to the workplace, compressed-air hose respiratory devices independent from the environmental air with full mask, hood or half mask in accordance with EN 14594, class 3 or higher, or blower filter devices with full mask to EN 12942 or hood to EN 12941 shall be worn, filters always minimum A1P.
- Personal protective equipment:
- General protective and hygienic measures:
  The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: If ventilation is insufficient, put on suitable breathing equipment. For manual painting, use gas filter A, for spray applications and grinding operations combined gas/particle filter A-P. Depending on the conditions at the working place, a suitable protective mask type of the required protection degree must be selected.
- Protection of hands: Chemical-resistant protective gloves (in line with EN374) with long sleeves. The choice of quality and penetration time depends on the specific specific workplace conditions and must therefore be made in consultation with the glove manufacturer. Instructions on use, storage, care and replacement of gloves must be adhered to. Gloves designed to protect against mechanical risks are not suitable. Use hand cream as a protective skin care measure. Avoid contact with eyes and skin. Immediately wash any areas which have come into contact with the preparation.
- Eye protection: Wear safety goggles which offer all-round protection of the eyes (EN 166).
- Body protection: Wear antistatic clothing made of natural fibre or of high temperature resistant synthetic fibre.
- Risk management measures
  Workers must receive adequate information and instruction.

09 Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Appearance:	
Form:	Fluid
Colour:	According to product specifica
Odour:	Weak, characteristic

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Odour threshold:	Not determined.	
pH-value:	8,5	
Change in condition		
Initial boiling point and boiling range:	100 °C	
Flash point:	Not applicable.	
Flammability (solid, gas):	Not applicable.	
Ignition temperature:		
Decomposition temperature:	Not determined.	
Auto-ignition temperature:	Not determined.	
Explosive properties:	Not determined.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Vapour pressure:	at 20 °C	23,0000 mbar
Density:	1,2700 g/cm3	
Vapour density	Not determined.	
Evaporation rate	Not determined.	
Solubility in / Miscibility with		
water:	Partly soluble.	
Partition coefficient: n-octanol/water:	Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	at 40 °C	33 s ISO 4 mm ISO 2431:1993
9.2 Other information		
9.2 Additional information	Not available.	

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
  No dangerous reactions known.
- 10.4 Conditions to avoid
  No further relevant information available.
- 10.5 Incompatible materials:
  Strong acids, strong bases, strong oxidants.
- 10.6 Hazardous decomposition products:
  At high temperatures, hazardous products are generated, such as carbon monoxide, carbon dioxide, nitrogen oxides and smoke.

11 Toxicological information

- 11.1 Information on toxicological effects
  For this product experimental data are not available.
- Acute toxicity
- LD/LC50 values relevant for classification:

111-76-2 2-butoxyethanol
Oral, LD50: 1200 mg/kg (ATE) Dermal, LD50: >2000 mg/kg (rat) Oral, LD50: 3592 mg/kg (rat) Dermal, LD50: >3160 mg/kg (Rabbit) Inhalative, LC50/4h: 10.2 mg/l (rat) Oral, LD50: 1102 mg/kg (rat) Dermal, LD50: 1100 mg/kg (Rabbit) Inhalative, LC50/4h: 6.1 mg/l (rat) Oral, LD50: 5800 mg/kg (rat) Dermal, LD50: 20000 mg/kg (Rabbit) Oral, LD50: 5135 mg/kg (rat) Dermal, LD50: 9500 mg/kg (rat) Oral, LD50: 2049 mg/kg (rat) Dermal, LD50: >3000 mg/kg (rat) Inhalative, LC50/4h: 0.89 mg/l (rat)

64742-95-6 Hydrocarbons, C9, aromatics

108-01-0 2-dimethylaminoethanol

67-64-1 acetone

34590-94-8 Dipropylene glycol monomethyl ether

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104-76-7 2-Ethyl-1-hexanol

- Primary irritant effect:
- Skin corrosion/irritation
  No irritant effect.
- Serious eye damage/irritation
  No irritating effect.
- Respiratory or skin sensitisation
  No sensitising effects known.
- Additional toxicological information:
  The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
- Acute effects (acute toxicity, irritation and corrosivity)
  Inhalation of solvent concentrations above the lower toxic limit can lead to irritation of the mucous membranes and respiratory organs, kidney and liver damage, and detriment to the central nervous system. The product can pass through the skin into the body. Solvent splashes can cause eye irritation and reversible damage.
- Repeated dose toxicity
  Inhalation of solvent concentrations above the lower toxic limit can lead to irritation of the mucous membranes and respiratory organs, kidney and liver damage, and detriment to the central nervous system. Signs and symptoms: headache, dizziness, tiredness, muscular weakness, dazed appearance and in exceptional cases unconsciousness. Lenghty and repeated contact with the product is detrimental to the natural skin regreasing and leads to drying out of the skin. The product can pass through the skin into the body. Solvent splashes can cause eye irritation and reversible damage.
  Symptoms of poisoning may arise only after several hours, therefore medical observation should be maintained for at least 48 hours. In case of unconsciousness, lay in the recovery position, do not give anything by mouth.
- 11.2 Information on other hazards
- Endocrine disrupting properties
  None of the ingredients is listed.

12 Ecological information

- 12.1 Toxicity
  Experimental data are not available for this product. Do not allow to enter the soil, water, groundwater or the drains.
- Aquatic toxicity:

111-76-2 2-butoxyethanol
LC50/96h: 1474 mg/l (fish) LC50/48h: 1550 mg/l (daphnie) LD50/72h: >1000 mg/l (alga) LC50/96h: 9.2 mg/l (fish) LC50/48h: 3.2 mg/l (daphnie) LD50/72h: >2.6 mg/l (alga) LC50/96h: 146.6 mg/l (fish) LC50/48h: 98.4 mg/l (daphnie) LD50/72h: 66.08 mg/l (alga) LC50 96h: 5540 mg/l (fish) LC50/96h: 430 mg/l (alga) LC50/48h: 8800 mg/l (daphnie) LC50/96h: 10000 mg/l (fish) LC50/96h: 969 mg/l (alga) LC50/48h: 1.919 mg/l (daphnie) LC50/96h: 28.2 mg/l (fish) LC50/48h: 39 mg/l (daphnie) LD50/72h: 11.5 mg/l (alga)

64742-95-6 Hydrocarbons, C9, aromatics

108-01-0 2-dimethylaminoethanol

67-64-1 acetone

34590-94-8 Dipropylene glycol monomethyl ether

104-76-7 2-Ethyl-1-hexanol

- 12.2 Persistence and degradability
  No further relevant information available.
- Behaviour in environmental systems:
- 12.3 Bioaccumulative potential
  No further relevant information available.
- 12.4 Mobility in soil
  No further relevant information available.
- Additional ecological information:
- General notes:
  Water hazard class (CH): Meets water hazard class EC.
  Water hazard class 1 EC (Assessment by list): slightly hazardous for water
  Do not allow product to reach ground water, water course or sewage system.
- 12.5 Results of PBT and vPvB assessment
- PBT:
  Not applicable.
- vPvB:
  Not applicable.
- 12.6 Other adverse effects
  No further relevant information available.

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13 Disposal considerations

- 13.1 Waste treatment methods
- Recommendation
  Disposal according to local regulations. Return of split quantities and remaining, or expired products at a public recycling center for hazardous waste. Also observe the ordinances on movements of waste (OMW) in Switzerland and the Lists of handling waste and European Waste Catalogue (EWC). Switzerland: Empty containers and old paints can be returned to KABE Farben in specific containers. Request our brochure for details.
- European waste catalogue/Waste code switzerland
  08
  WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
  08 01
  wastes from MFSU and removal of paint and varnish
  08 01 11
  waste paint and varnish containing organic solvents or other hazardous substances

- Uncleaned packaging:
- Recommendation:
  Disposal must be made according to official regulations.
- Recommended cleansing agents:
  Water, if necessary together with cleansing agents.

14 Transport information

- 14.1 UN-Number

ADR	Void
IMDG	Void
IATA	Void

- 14.2 UN proper shipping name

ADR	Void
IMDG	Void
IATA	Void

- 14.3 Transport hazard class(es)

ADR	
Class	Void
IMDG	
Class	Void
IATA	
Class	Void

- 14.4 Packing group

ADR	Void
IMDG	Void
IATA	Void

- 14.5 Environmental hazards:
  Not applicable.
- 14.6 Special precautions for user
  Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
  Not applicable.

15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II
  None of the ingredients is listed.
- REGULATION (EU) 2019/1148

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- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
  None of the ingredients is listed.
- National regulations:
- Waterhazard class:
  Water hazard class 1 (Assessment by list): slightly hazardous for water.
- 15.2 Chemical safety assessment:
  A Chemical Safety Assessment has not been carried out.

16 Other information

The information in this safety data sheet correspond the present state of our knowledge. We have, however, no knowledge of or control over the working conditions of the user. The product may not be used for purposes other than those stated in chapter 1 without prior written consent. The user is responsible for compliance with all necessary legal regulations. The information in this safety data sheet describes the safety requirements for our product and does not represent a guarantee of product properties.

- Relevant phrases

EUH066	Repeated exposure may cause skin dryness or cracking.
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.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  IMDG: International Maritime Code for Dangerous Goods
  IATA: International Air Transport Association
  ICAO: International Civil Aviation Organisation
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
- * Data compared to the previous version altered.