

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 19.03.2025

Version number 18 (replaces version 17)

Revision: 03.01.2025

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

· 1.1 Product identifier

· Trade name: DOUBLE COAT BRUSHTHINNER
 · Article number: 801
 · CAS Number: 623-84-7
 · EC number: 210-817-6
 · Registration number: 01-2119892736-20
 · UFI: DMT7-P08C-E00G-E033

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

· Sector of Use
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 SU19 Building and construction work
 SU21 Consumer uses: Private households / general public / consumers
 PC9a Coatings and paints, thinners, paint removers
 · Product category
 · Process category
 PROC19 Manual activities involving hand contact
 PROC11 Non industrial spraying
 PROC7 Industrial spraying
 PROC10 Roller application or brushing
 · Environmental release category
 ERC5 Use at industrial site leading to inclusion into/onto article
 ERC8c Widespread use leading to inclusion into/onto article (indoor)
 ERC8f Widespread use leading to inclusion into/onto article (outdoor)
 · Article category
 AC13 Plastic articles
 AC11 Wood articles
 AC7 Metal articles
 · Application of the substance / the mixture
 See our technical datasheet for application details of this product.
 Thinner, Diluent

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier: De IJssel Coatings BV, Centrumbaan 960, NL 2841 MH Moordrecht
 Tel: +31 182 372177, E-mail: info@de-ijssel-coatings.nl
 · Further information obtainable from: Research and Development.

· 1.4 Emergency telephone number:

De IJssel Coatings BV, Tel. +31 182 372177, E-mail: safety@de-ijssel-coatings.nl
 Office hours: working days from 08:00 to 17:00 hrs.

*** SECTION 2: Hazards identification**

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008 The substance is not classified, according to the CLP regulation.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008 Void
 · Hazard pictograms Void
 · Signal word Void
 · Hazard statements Void

· 2.3 Other hazards

· Results of PBT and vPvB assessment
 · PBT: This product does not contain any substances assessed as PBT at concentrations of 0.1% or higher.
 · vPvB: This product does not contain any substances assessed as vPvB at concentrations of 0.1% or higher.
 · Determination of endocrine-disrupting properties
 Toxicological information (1107/2009 - 3.6.5): The substance/mixture does not contain any components believed to have endocrine disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Ecological information (1107/2009 - 3.8.2): The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

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*** SECTION 3: Composition/information on ingredients**

- **3.1 Substances**
- CAS No. Description: 623-84-7 propane-1,2-diyl diacetate
- Identification number(s)
- EC number: 210-817-6

*** SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult 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.

*** SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- Suitable extinguishing agents: CO2 or powder. Fight larger fires with alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**: Formation of toxic gases is possible during heating or in case of fire. Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- Protective equipment: No special measures required.
- Additional information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter the sewage system.

*** SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**: Not required.
- **6.2 Environmental precautions**: 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).
- **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**: No special measures required.
- Information about fire - and explosion protection: No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- Storage:
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.

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- Recommended storage temperature: 5 - 30 °C
- **7.3 Specific end use(s)** No further relevant information available.

*** SECTION 8: Exposure controls/personal protection**

- **8.1 Control parameters**
- Ingredients with limit values that require monitoring at the workplace: Not required.

· DNEL (Derived No Effect Level) for the general population		
623-84-7 propane-1,2-diyl diacetate		
Oral	Long-term - systemic effects, general population	2.5 mg/kg bw/day (General population)
Dermal	Long-term - systemic effects, general population	25 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, general population	117 mg/m ³ (General population)
· PNEC (Predicted No Effect Concentration) values		
623-84-7 propane-1,2-diyl diacetate		
Aquatic compartment - freshwater		0.082 mg/l (Freshwater)
Aquatic compartment - marine water		0.0082 mg/l (Marine water)
Aquatic compartment - water, intermittent releases		0.82 mg/l (Intermittent release water)
Aquatic compartment - sediment in freshwater		0.579 mg/kg sed dw (Sediment freshwater)
Aquatic compartment - sediment in marine water		0.0579 mg/kg sed dw (Sediment marine water)
Terrestrial compartment - soil		0.0678 mg/kg dw (Soil)
Sewage treatment plant		100 mg/l (stp)

- Additional information: The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Not required.
- Hand protection: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
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.
Recommended thickness of the material: ≥ 0.3 mm
- Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).
- For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR
- As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR
- Not suitable are gloves made of the following materials: Leather gloves
Strong material gloves
- Eye/face protection: Goggles recommended during refilling

*** SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Physical state	Liquid
· Colour:	Colourless

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· Odour:	Ester-like
· Odour threshold:	Not determined.
· Melting point/freezing point:	< -75 °C
· Boiling point or initial boiling point and boiling range	190 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	2.8 Vol %
· Upper:	12.7 Vol %
· Flash point:	86 – 95 °C (DIN 51758)
· Auto-ignition temperature:	431 °C
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic at 20 °C:	2.6 mPas (Brookfield, ASTM D1544)
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	< 3 hPa
· Density and/or relative density	
· Density at 20 °C:	0.967 g/cm ³ (DIN 51757, ASTM D 1298)
· Relative density	Not determined.
· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Not determined.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· VOC (2004/42/EC):	0.00 %
· Solids content:	0.0 %
· Molecular weight	160.17 g/mol
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

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** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.

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- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

*** SECTION 11: Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- Acute toxicity Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:

Components	Type	Value	Species
623-84-7 propane-1,2-diyl diacetate			
Oral	LD50	5,000 mg/kg (Rat)	
Dermal	LD50	2,000 mg/kg (rab)	

- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- 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 Based on available data, the classification criteria are not met.

· **11.2 Information on other hazards**

· Endocrine disrupting properties
Substance is not listed.

*** SECTION 12: Ecological information**

- **12.1 Toxicity**
- Aquatic toxicity: No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- PBT: Not applicable.
- vPvB: Not applicable.
- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- Additional ecological information:
- General notes: Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

*** SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- Recommendation: Smaller quantities can be disposed of with household waste.

· European waste catalogue	
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	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.

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*** SECTION 14: Transport information**

· 14.1 UN number or ID number · ADR/RID/ADN, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR/RID/ADN, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR/RID/ADN, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR/RID/ADN, ADN, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

*** 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	Substance is not listed.
· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II	Substance is not listed.
· REGULATION (EU) 2019/1148	
· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))	Substance is not listed.
· Annex II - REPORTABLE EXPLOSIVES PRECURSORS	Substance is not listed.
· Regulation (EC) No 273/2004 on drug precursors	Substance is not listed.
· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors	Substance is not listed.
· 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.

· Department issuing SDS:	Research and Development
· Contact:	Saïda El Asjadi, tel: +31 182 372177, e-mail: safety@de-ijssel-coatings.nl
· Date of previous version:	28.01.2022
· Version number of previous version:	17
· Abbreviations and acronyms:	ADR: Accord relatif au transport international 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 CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) 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

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- Sources: Literature data and/or investigation reports are available through the manufacturer.
- * Data compared to the previous version altered.

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