

POWDERCOATPEN

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

1.1 - Product identifier

Trade name/designation POWDERCOATPEN
Chemical name powdercoat disolver
Product-type Mixture
UFI: NQ30-W075-C007-8DDJ

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

Relevant identified uses

- Binder
- For professional use only

Uses advised against

- Reserved for industrial and professional use.

1.3 - Details of the supplier of the safety data sheet

-Duthoo Coating Concepts
Pluim 1
8550 Zwevegem Belgium
Telephone : 0032 56 360774 Fax 0032 56 694760
Website www.duthoo.eu
Eddy Crepeele: 0032 56 360774/0032 471 410802 eddy@duthoo.eu

1.4 - Emergency telephone number

- Poison Centre. Tel: (+32) 070 245 245 or (+32) 02 264 96 30 Belgium

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 1	Flammable liquid and vapour. - Category 1
Eye Irrit. 2	Eye irritation - Category 2

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: acetone, propan-2-one, propanone (CAS No.: 67-64-1) | n-butyl acetate (CAS No.: 123-86-4) | propan-2-ol, isopropyl alcohol, isopropanol (CAS No.: 67-63-0) | 1-methoxy-2-propanol, monopropylene glycol methyl ether (CAS No.: 107-98-2) | ethyl acetate (CAS No.: 141-78-6)

Signal word : Danger

Hazard pictograms



Hazard statements

H224	Extremely flammable liquid and vapour
H319	Causes serious eye irritation

Precautionary statements

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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with regional regulation.

EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking
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2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
n-butyl acetate	CAS No. : 123-86-4 Index No. : 607-025-00-1 EC No. : 204-658-1	> 25 - < 60	Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable
propan-2-ol, isopropyl alcohol, isopropanol	CAS No. : 67-63-0 Index No. : 603-117-00-0 EC No. : 200-661-7	> 10 - < 20	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
2-butoxyethanol, ethylene glycol monobutyl ether, butyl cellosolve	CAS No. : 111-76-2 Index No. : 603-014-00-0 EC No. : 203-905-0	> 8 - <= 10	Acute Tox. 3 Inhalation - H331 Acute Tox. 4 Oral - H302 Eye Irrit. 2 - H319 Skin Irrit. 2 - H315	ATE oral 1200 ATE Inhalation Vapor 3
1-methoxy-2-propanol, monopropylene glycol methyl ether	CAS No. : 107-98-2 Index No. : 603-064-00-3 EC No. : 203-539-1	> 4 - < 8	Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable
ethyl acetate	CAS No. : 141-78-6 Index No. : 607-022-00-5 EC No. : 205-500-4	> 2 - < 4	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
acetone, propan-2-one, propanone	CAS No. : 67-64-1 Index No. : 606-001-00-8 EC No. : 200-662-2	> 0,5 - < 2	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
n-hexane	CAS No. : 110-54-3 Index No. : 601-037-00-0 EC No. : 203-777-6	> 0 - < 0,4	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 Repr. 2 - H361 Skin Irrit. 2 - H315 STOT RE 2 - H373 STOT SE 3 (H336) - H336	STOT RE 2 - H373 : 5<=%<=100
cyclohexane	CAS No. : 110-82-7 Index No. : 601-017-00-1 EC No. : 203-806-2	> 0 - < 0,4	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 (H336) - H336	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - Special First Aid training necessary.

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<u>Following skin contact</u>	- Wash immediately with: Water and soap
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting.

4.2 - Most important symptoms and effects, both acute and delayed

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- No information available.
<u>Symptoms and effects - After eye contact</u>	- Causes eye irritation.
<u>Symptoms and effects - After ingestion</u>	- No information available.

4.3 - Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO2) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- Full water jet

5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- No information available.
<u>Hazardous decomposition products</u>	- No information available.

5.3 - Advice for firefighters

- Do not allow run-off from fire-fighting to enter drains or water courses.
- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

<u>For non-emergency personnel</u>	- Provide adequate ventilation. - Remove all sources of ignition. - Use personal protection equipment.
<u>For emergency responders</u>	- No information available.

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6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up - Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- It is recommended to design all work processes always so that the following is excluded: generation/formation of aerosols
- Vapours can form explosive mixtures with air.
- When using do not smoke.
- Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
- Use only in well-ventilated areas.
- Avoid: Eye contact

Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- Storage class Flammable liquids
- Keep container tightly closed and in a well-ventilated place.
- Do not store together with: Combustible substance
- Protect against: Heat

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

acetone, propan-2-one, propanone (67-64-1)

IOELV TWA mg/m ³ (UE)	1210 mg/m ³
IOELV TWA ppm (UE)	500 ppm

n-butyl acetate (123-86-4)

IOELV TWA mg/m ³ (UE)	241 mg/m ³
IOELV TWA ppm (UE)	50 ppm
IOELV STEL mg/m ³ (UE)	723 mg/m ³
IOELV STEL ppm (UE)	150 ppm

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1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)

IOELV TWA mg/m ³ (UE)	375 mg/m ³ Skin
IOELV TWA ppm (UE)	100 ppm Skin
IOELV STEL mg/m ³ (UE)	568 mg/m ³ Skin
IOELV STEL ppm (UE)	150 ppm Skin

ethyl acetate (141-78-6)

IOELV TWA mg/m ³ (UE)	734 mg/m ³
IOELV TWA ppm (UE)	200 ppm
IOELV STEL mg/m ³ (UE)	1468 mg/m ³
IOELV STEL ppm (UE)	400 ppm

DNEL / PNEC

n-butyl acetate (123-86-4)

Type	Value	User	Effect
DNEL acute inhalative	600 mg/m ³	Workers	Local
DNEL acute inhalative	600 mg/m ³	Workers	Systemic
DNEL long-term inhalative	300 mg/m ³	Workers	Local
DNEL long-term inhalative	48 mg/m ³	Workers	Systemic
DNEL acute dermal, short-term	11 mg/kg	Workers	Systemic
DNEL long-term dermal	7 mg/kg bw/day	Workers	Systemic
PNEC aquatic, freshwater	0,18 mg/l		
PNEC aquatic, marine water	0,018 mg/l		
PNEC sediment, freshwater	0,981 mg/kg		
PNEC sediment, marine water	0,098 mg/kg		
PNEC soil	0,09 mg/kg		
PNEC sewage treatment plant (STP)	35,6 mg/l		

ethyl acetate (141-78-6)

Type	Value	User	Effect
DNEL acute inhalative	1468 mg/m ³	Workers	Local
DNEL acute inhalative	1468 mg/m ³	Workers	Systemic
DNEL long-term inhalative	734 mg/m ³	Workers	Local
DNEL long-term inhalative	734 mg/m ³	Workers	Systemic
DNEL long-term dermal	63 mg/kg bw/day	Workers	Systemic
PNEC aquatic, freshwater	0,24 mg/l		
PNEC aquatic, marine water	0,024 mg/l		
PNEC sediment, freshwater	1,15 mg/kg		
PNEC sediment, marine water	0,115 mg/kg		
PNEC soil	0,148 mg/kg		
PNEC sewage treatment plant (STP)	650 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Suitable eye protection: Eye glasses with side protection

- Suitable eye protection: Dust protection eye glasses



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- Suitable protective clothing: lab coat



SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u> <u>Colour</u>	<u>Liquid</u> transparent	<u>Appearance</u> <u>Odour</u>	<u>Liquid</u> characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		< 35 °C	
Flash point		< 15 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		0,9 g/cm ³	
Solubility (Water)		0 g/ml	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

Particle characteristics

Particle size	No data available
Dustiness	No data available
Specific surface area	No data available
Shape	No data available

9.2 - Other information

VOC content	78 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

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10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- In case of warming: Ignition hazard

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- No information available.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.

Toxicity : Substances

acetone, propan-2-one, propanone (67-64-1)	
LD50 oral (rat)	5800 mg/kg
LD50 dermal (rabbit)	> 15800 mg/kg
LC50 inhalation dusts and mists (rat)	76 mg/l
n-butyl acetate (123-86-4)	
LD50 oral (rat)	10768 mg/kg
LD50 dermal (rat)	> 17600 mg/kg
LC50 inhalation vapours (rat)	21,1 mg/l
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
LD50 oral (rat)	> 2000 mg/kg
LD50 dermal (rabbit)	> 2000 mg/kg
1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
LD50 oral (rat)	5660 mg/kg

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ethyl acetate (141-78-6)	
LD50 oral (rat)	5620 mg/kg
LD50 dermal (rabbit)	20001 mg/kg
LC50 inhalation vapours (rat)	22,6 mg/l

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation

- Irritating to eyes.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

acetone, propan-2-one, propanone (67-64-1)	
LC50 96 hr fish	8300 mg/l
ErC50 algae	7200 mg/l
n-butyl acetate (123-86-4)	
LC50 96 hr fish	100 mg/l
ethyl acetate (141-78-6)	
EC50 48 hr crustacea	750 mg/l
LC50 96 hr fish	212,5 mg/l
ErC50 algae	2500 mg/l
NOEC chronic fish	75,6 mg/l

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- Harmful to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - Do not allow to enter into surface water or drains.

Special precautions for waste treatment - Collect the waste separately.

Community or national or regional provisions - No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR) : UN1263
UN number (RID) : UN1263
UN number (ADN) : UN1263
UN number (IMDG) : UN1263
UN number (IATA) : UN1263

14.2 - UN proper shipping name

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UN proper shipping name (ADR) : PAINT or PAINT RELATED MATERIAL
UN proper shipping name (RID) : PAINT RELATED MATERIAL
UN proper shipping name (ADN) : PAINT or PAINT RELATED MATERIAL
UN proper shipping name (IMDG) : PAINT RELATED MATERIAL
UN proper shipping name (IATA) : PAINT RELATED MATERIAL

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 3
ADR Classification code: : F1
Pictograms



Transport hazard class(es) (RID) : 3
Pictograms



Transport hazard class(es) (ADN) : 3
Pictograms



Transport hazard class(es) (IMDG) : 3
Pictograms



Transport hazard class(es) (IATA) : 3
Pictograms



14.4 - Packing group

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<u>Packing group</u>	:	III
<u>Packing group (RID)</u>	:	III
<u>Packing group (ADN)</u>	:	III
<u>Packing group (IMDG)</u>	:	III
<u>Packing group (IATA)</u>	:	III

14.5 - Environmental hazards

<u>Environmental hazards</u>	:	No
<u>Marine pollutant</u>	:	No

14.6 - Special precautions for user

ADR

<u>ADR Classification code:</u>	:	F1
<u>ADR Special provisions</u>	:	163+367+650
<u>ADR Limited quantity (LQ)</u>	:	5L
<u>ADR Excepted quantities</u>	:	E1
<u>ADR Packing instructions</u>	:	P001 IBC03 LP01 R001
<u>ADR Special packing provisions</u>	:	PP1
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T2
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP29
<u>ADR tank code</u>	:	LGBF
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	FL
<u>ADR Transport category</u>	:	3
<u>ADR Tunnel restriction code</u>	:	D/E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	V12
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	S2
<u>ADR Hazard identification number (Kemler No.)</u>	:	30

RID

<u>Special provisions</u>	:
<u>Limited quantity (LQ)</u>	:
<u>Excepted quantities</u>	:

ADN

<u>Special provisions</u>	:
<u>Limited quantity (LQ)</u>	:
<u>Excepted quantities</u>	:

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IMDG

<u>Special provisions</u>	:	163 223 367 955
<u>Limited quantity (LQ)</u>	:	5 L
<u>Excepted quantities</u>	:	E1
<u>Packing instructions</u>	:	P001 LP01
<u>Special packing provisions</u>	:	PP1
<u>IBC instruction(s)</u>	:	IBC03
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T2
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP29
<u>EmS codes</u>	:	F-E, S-E
<u>Stowage and handling</u>	:	Category A
<u>Segregation</u>	:	
<u>Properties and observations</u>	:	Miscibility with water depends upon the composition.

IATA

<u>PCA - Excepted quantities</u>	:	E1
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y344
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	10L
<u>PCA - Packing Instructions</u>	:	355
<u>PCA - Maximum Net Quantity per Package</u>	:	60L
<u>CAO - Packing Instructions</u>	:	366
<u>CAO - Maximum Net Quantity per Package</u>	:	220L
<u>Special Provisions</u>	:	A3 A72 A192
<u>ERG Code</u>	:	3L

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

15.1 - Safety, health and environmental regulations/legislation specific for the substance or mixture

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	cyclohexane (Index No.: 601-017-00-1 - EC No.: 203-806-2 - CAS No.: 110-82-7)
<u>VOC content</u>	78 %

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	27/09/2023		

Texts of the regulatory sentences

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Acute Tox. 3 Inhalation	Acute toxicity (inhalative) - Category 3
Acute Tox. 4 Dermal	Acute toxicity (dermal) - Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Asp. Tox. 1	Aspiration hazard - Category 1
Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
Flam. Liq. 1	Flammable liquid and vapour. - Category 1
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H224	Extremely flammable liquid and vapour
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H361f	Suspected of damaging fertility
H373	May cause damage to organs through prolonged or repeated exposure
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
Repr. 2	Reproductive toxicity - Category 2
Skin Irrit. 2	Irritation, Category 2
STOT RE 2	STOT-repeated exposure - Category 2
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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