

SN PATINE ZWART

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

1.1 - Product identifier

Trade name/designation SN PATINE ZWART
Chemical name SN PATINE ZWART
Product-type Mixture
Product code 9611.516/03
UFI: KXC0-G0G8-R00R-S5AR

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

Relevant identified uses

- For professional use only
- Paints/coatings – Protective and functional

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

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

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

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

2.2 - Label elements

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

Contains: Ethanol, Ethyl alcohol (CAS No.: 64-17-5) | propan-2-ol, isopropyl alcohol, isopropanol (CAS No.: 67-63-0)

Signal word : Danger

Hazard pictograms



Hazard statements

H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.

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P280	Wear protective gloves/protective clothing/eye protection.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with national regulation.

EUH-phrases : None

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
Ethanol, Ethyl alcohol	CAS No. : 64-17-5 Index No. : 603-002-00-5 EC No. : 200-578-6	>= 50 - < 100	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225	Not applicable
propan-2-ol, isopropyl alcohol, isopropanol	CAS No. : 67-63-0 Index No. : 603-117-00-0 EC No. : 200-661-7	>= 2,5 - < 10	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - Provide fresh air.

Following skin contact - Wash immediately with: Water
- When in doubt or if symptoms are observed, get medical advice.

After eye contact - Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion - Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - Causes eye irritation.

Symptoms and effects - After ingestion - No information available.

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

SECTION 5: Firefighting measures

5.1 - Extinguishing media

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Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media

- Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- Hazardous combustion products
- Pressurised container: May burst if heated.

Hazardous decomposition products

- Carbon dioxide (CO₂)
- Carbon monoxide
- Nitrogen oxides (NO_x)

5.3 - Advice for firefighters

- 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

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.
- Remove all sources of ignition.

For emergency responders

- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.
- Ensure waste is collected and contained.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- Soak up inert absorbent and dispose as waste requiring special attention.

Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

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

- Avoid: Eye contact

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- 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 only in well-ventilated areas.
- Wash hands before breaks and after work.

Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- Immediately remove any contaminated clothing, shoes or stockings.
- 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
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Keep container tightly closed in a cool, well-ventilated place.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

DNEL / PNEC

Ethanol, Ethyl alcohol (64-17-5)			
Type	Value	User	Effect
PNEC aquatic, freshwater	0,96 mg/l		
PNEC aquatic, marine water	0,79 mg/l		
PNEC sediment, freshwater	3,6 mg/kg		
PNEC sediment, marine water	2,9 mg/kg		
PNEC soil	0,63 mg/kg		
PNEC sewage treatment plant (STP)	580 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

- Suitable protective clothing: lab coat
- Protective gloves



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- Suitable eye protection: Eye glasses with side protection



SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Liquid
Colour	Black	Odour	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		< 23 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		< 110 kPa	
Vapour density		No data available	
Relative density		No data available	
Density		< 1 kg/l	
Solubility (Water)		No data available	
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	No data available
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

- May form hazardous decomposition products when exposed to high temperatures.

10.4 - Conditions to avoid

- In case of warming: Ignition hazard

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Carbon dioxide
- Carbon monoxide
- Nitrogen oxides (NOx)

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

Ethanol, Ethyl alcohol (64-17-5)	
LD50 oral (rat)	10470 mg/kg
LC50 inhalation (rat)	124,7 ppmV
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
LD50 oral (rat)	> 2000 mg/kg
LD50 dermal (rabbit)	> 2000 mg/kg

Skin corrosion/irritation - Not classified

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

- Irritating to eyes.

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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

Ethanol, Ethyl alcohol (64-17-5)

EC50 48 hr crustacea	5012 mg/l
LC50 96 hr fish	14200 mg/l
ErC50 algae	275 mg/l
NOEC chronic crustacea	9,6 mg/l

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

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

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- 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.
: Consult the appropriate local waste disposal expert about waste disposal.

Community or national or regional provisions : No information available.

Waste codes / waste designations according to Regulation 2014/955/UE : 08 01 11* - waste paint and varnish containing organic solvents or other hazardous substances
: 15 01 10* - packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR) : UN1263
UN number (RID) : Not applicable
UN number (ADN) : Not applicable
UN number (IMDG) : UN1263
UN number (IATA) : UN1263

14.2 - UN proper shipping name

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

14.3 - Transport hazard class(es)

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

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Pictograms



Pictograms

Transport hazard class(es) : 3
(IMDG)

Pictograms



Transport hazard class(es) : 3
(IATA)

Pictograms



14.4 - Packing group

Packing group : II
Packing group (IMDG) : II
Packing group (IATA) : II

14.5 - Environmental hazards

Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user

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ADR

<u>ADR Classification code:</u>	:	F1
<u>ADR Special provisions</u>	:	163+367+640C+650
<u>ADR Limited quantity (LQ)</u>	:	5L
<u>ADR Excepted quantities</u>	:	E2
<u>ADR Packing instructions</u>	:	P001
<u>ADR Special packing provisions</u>	:	PP1
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T4
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP8 TP28
<u>ADR tank code</u>	:	L1.5BN
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	FL
<u>ADR Transport category</u>	:	2
<u>ADR Tunnel restriction code</u>	:	D/E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	S2 S20
<u>ADR Hazard identification number (Kemler No.)</u>	:	33

IMDG

<u>Special provisions</u>	:	163 367
<u>Limited quantity (LQ)</u>	:	5 L
<u>Excepted quantities</u>	:	E2
<u>Packing instructions</u>	:	P001
<u>Special packing provisions</u>	:	PP1
<u>IBC instruction(s)</u>	:	IBC02
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T4
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP8 TP28
<u>EmS codes</u>	:	F-E, S-E
<u>Stowage and handling</u>	:	Category B
<u>Segregation</u>	:	
<u>Properties and observations</u>	:	Miscibility with water depends upon the composition.

IATA

<u>PCA - Excepted quantities</u>	:	E2
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y341
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	1L
<u>PCA - Packing Instructions</u>	:	353
<u>PCA - Maximum Net Quantity per Package</u>	:	5L
<u>CAO - Packing Instructions</u>	:	364
<u>CAO - Maximum Net Quantity per Package</u>	:	60L
<u>Special Provisions</u>	:	A3 A72 A192
<u>ERG Code</u>	:	3L

14.7 - Maritime transport in bulk according to IMO instruments

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SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

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	18/01/2024		

Texts of the regulatory sentences

Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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