

DUTHOO PROTEC ALU

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

1.1 - Product identifier

Trade name/designation DUTHOO PROTEC ALU
Chemical name PROTECTIVE EMULSION
Product-type Mixture
Product code DUTHOO PROTEC PVC
UFI: FM60-J0UV-M00K-4M49

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

Relevant identified uses - 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]

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

2.2 - Label elements

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

Signal word : None
Pictograms : None
Hazard statements : None
Precautionary statements : None
EUH-phrases

EUH208	Contains TETRAMETHYLOLACETHYLEENDIUREA. May produce an allergic reaction
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2.3 - Other hazards

PBT-substance. - No information available.

vPvB-substance. - No information available.

SECTION 3: Composition / information on ingredients

3.1 - Substances

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Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
HYDROCARBONS C9-C11	CAS No. : Index No. : EC No. :	<= 20	Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 STOT SE 3 (H335) - H335	Not applicable
propan-2-ol, isopropyl alcohol, isopropanol	CAS No. : 67-63-0 Index No. : 603-117-00-0 EC No. : 200-661-7	<= 9	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
tetrahydro-1,3,4,6-tetrakis(hydroxymethyl)imidazo[4,5-d]imidazole-2,5(1H,3H)-dione	CAS No. : 5395-50-6 Index No. : EC No. : 226-408-0	<= 0,2	Skin Sens. 1 - H317	Not applicable
Alcohols, C16-20, ethoxylated	CAS No. : 106232-82-0 Index No. : EC No. :	<= 1		Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- Remove casualty to fresh air and keep warm and at rest.
- When in doubt or if symptoms are observed, get medical advice.

Following skin contact

- After contact with skin, wash immediately with plenty of water and soap.

After eye contact

- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

- If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

Suitable extinguishing media

- Carbon dioxide (CO2)
- Extinguishing powder
- Foam
- Water mist

5.2 - Special hazards arising from the substance or mixture

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Special hazards arising from the substance or mixture - No information available.

Hazardous decomposition products - No information available.

5.3 - Advice for firefighters

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Avoid dust formation.
- Provide adequate ventilation.
- Remove persons to safety.

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 (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Take up mechanically, placing in appropriate containers for disposal.

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

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

Advices on general occupational hygiene

- Immediately remove any contaminated clothing, shoes or stockings.
- Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.

7.2 - Conditions for safe storage, including any incompatibilities

- Do not store together with: Combustible substance
- Keep container tightly closed and in a well-ventilated place.
- Only use containers specifically approved for the substance/product.

7.3 - Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

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

- Eye protection



- Protective gloves



- Suitable protective clothing: Protective apron



Environmental exposure controls

- Further information: see technical data sheet.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	White	<u>Odour</u>	characteristic
Odour threshold		No data available	
pH		6,6	
Melting point		0 °C	
Freezing point		No data available	
Boiling point		82 °C < V < 193 °C	
Flash point		71 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		0,7 % Vol.	
Upper explosion limit		12 % Vol.	
Vapour pressure		4300 Pa	
Vapour density		No data available	
Relative density		No data available	
Density		0,932 kg/l 20°C	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	

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Log KOC	0,05 ISOPROPYLALCOHOL
Auto-ignition temperature	270 °C
Decomposition temperature	No data available
Kinematic viscosity	1,395 mm ² /s 40°C
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	27,16 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

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

10.2 - Chemical stability

- extreme temperatures
- 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

- Do not expose to temperatures exceeding 50 °C/122 °F.

10.5 - Incompatible materials

- avoid contact with other chemicals
- Oxidising agent

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

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)	> 5000 mg/kg
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available

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	LC50 inhalation dusts and mists (rat)	No data available
	LC50 inhalation vapours (rat)	No data available

Toxicity : Substances

	Alcohols, C16-20, ethoxylated (106232-82-0)	
	LD50 oral (rat)	5000 mg/kg

Skin corrosion/irritation

- Not classified

- The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Serious eye damage/eye irritation

- Not classified

- The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Respiratory or skin sensitisation

- Not classified

- The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Germ cell mutagenicity

- Not classified

- The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Carcinogenicity

- Not classified

- The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Reproductive toxicity

- Not classified

- The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

STOT-single exposure

- Not classified

- The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

STOT-repeated exposure

- Not classified

- The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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	10000 mg/l

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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

Alcohols, C16-20, ethoxylated (106232-82-0)	
LC50 96 hr fish	100 mg/l
ErC50 algae	> 1000 mg/l

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

- The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	0,05 ISOPROPYLALCOHOL

12.4 - Mobility in soil

12.5 - Results of PBT and vPvB assessment

- No information available.

- No information available.

12.6 - Endocrine disrupting properties

- No further relevant information available.

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation. - Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.
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SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

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Not applicable

14.3 - Transport hazard class(es)

Not applicable

14.4 - Packing group

Not applicable

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

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 27,16 %

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	8/03/2023		

Texts of the regulatory sentences

Asp. Tox. 1	Aspiration hazard - Category 1
Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
Skin Sens. 1	Skin sensitization - Category 1
STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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