

DUTHOO Alu Structure Protector

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

1.1 - Product identifier

Trade name/designation DUTHOO Alu Structure Protector
Chemical name Cleaning Product
Product-type Mixture
UFI: US50-10SP-Q003-5KD3

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

Relevant identified uses

- For professional use only
- Washing and cleaning products

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]

STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)
Aerosol 1	Aerosol - Category 1

2.2 - Label elements

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

Contains: Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (CAS No.:)

Signal word : Danger

Hazard pictograms



Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
H336	May cause drowsiness or dizziness

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

DUTHOO Alu Structure Protector

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P271	Use only outdoors or in a well-ventilated area.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to an appropriate recycling or disposal facility in accordance with regional regulation.

EUH-phrases

EUH208	Contains Orange, sweet, ext. (8028-48-6) . May produce an allergic reaction
--------	---

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
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	CAS No. : Index No. : EC No. : 919-857-5 REACH No. : 01-2119463258-33	>= 25 - < 50	Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable
White mineral oil (petroleum)	CAS No. : 8042-47-5 Index No. : EC No. : 232-455-8 REACH No. : 01-2119487078-27	>= 25 - < 50	Asp. Tox. 1 - H304	Not applicable
Butane (<0,1% 1,3-Butadiene)	CAS No. : 106-97-8 Index No. : 601-004-00-0 EC No. : 203-448-7 REACH No. : 01-2119474691-32	>= 10 - < 25	Flam. Gas 1 - H220 Press. Gas (Liq.) - H280	Not applicable
Propane	CAS No. : 74-98-6 Index No. : 601-003-00-5 EC No. : 200-827-9 REACH No. : 01-2119486944-21	>= 10 - < 25	Flam. Gas 1 - H220 Press. Gas (Liq.) - H280	Not applicable
isobutane	CAS No. : 75-28-5 Index No. : 601-004-00-0 EC No. : 200-857-2	>= 2,5 - < 10	Flam. Gas 1 - H220 Press. Gas	Not applicable
Orange, sweet, ext.	CAS No. : 8028-48-6 Index No. : EC No. : 232-433-8 REACH No. : 01-2119493353-35	> 0,1 - < 1	Asp. Tox. 1 - H304 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- Do not leave affected person unattended.
- Remove casualty to fresh air and keep warm and at rest.
- When in doubt or if symptoms are observed, get medical advice.

DUTHOO Alu Structure Protector

<u>Following skin contact</u>	- When in doubt or if symptoms are observed, get medical advice.
<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>	- Do NOT induce vomiting. - When in doubt or if symptoms are observed, get medical advice.

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>	- 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>	- Pressurised container: May burst if heated.
<u>Hazardous decomposition products</u>	- Carbon dioxide (CO2) - Carbon monoxide

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

<u>For non-emergency personnel</u>	- Provide adequate ventilation. - Remove all sources of ignition. - Do not breathe gas/fumes/vapour/spray.
<u>For emergency responders</u>	- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 - Environmental precautions

DUTHOO Alu Structure Protector

- 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 - Ventilate affected area.
- Absorb with liquid-binding material (e.g. 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 - 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.

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

- 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.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

DNEL / PNEC

White mineral oil (petroleum) (8042-47-5)

Type	Value	User	Effect
DNEL long-term oral (repeated)	40 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	160 mg/m ³	Workers	Systemic
DNEL long-term inhalative	35 mg/m ³	Consumers	Systemic
DNEL long-term dermal	220 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	92 mg/kg bw/day	Consumers	Systemic

DUTHOO Alu Structure Protector

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Type	Value	User	Effect
DNEL long-term oral (repeated)	125 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	871 mg/m ³	Workers	Systemic
DNEL long-term dermal	208 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	125 mg/kg bw/day	Consumers	Systemic

Orange, sweet, ext. (8028-48-6)

Type	Value	User	Effect
DNEL long-term oral (repeated)	4,44 mg/kg bw/day	Consumers	Systemic
DNEL long-term inhalative	31,1 mg/m ³	Workers	Systemic
DNEL long-term inhalative	7,78 mg/m ³	Consumers	Systemic
DNEL acute dermal, short-term	0,186 mg/cm ²	Workers	Local
DNEL acute dermal, short-term	0,093 mg/cm ²	Consumers	Local
DNEL long-term dermal	8,89 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	4,44 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	0,0054 mg/l		
PNEC aquatic, marine water	0,00054 mg/l		
PNEC aquatic, intermittent release	0,0058 mg/l		
PNEC sediment, freshwater	1,3 mg/kg		
PNEC sediment, marine water	0,13 mg/kg		
PNEC soil	0,261 mg/kg		
PNEC sewage treatment plant (STP)	2,1 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



SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u> <u>Colour</u>	<u>gaseous</u> <u>colourless</u>	<u>Appearance</u> <u>Odour</u>	<u>Aerosol</u> <u>characteristic</u>
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	

DUTHOO Alu Structure Protector

Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	0,701 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	455,65 g/l
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

- 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
- In case of warming: Danger of bursting container.

10.5 - Incompatible materials

- avoid contact with other chemicals

10.6 - Hazardous decomposition products

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

DUTHOO Alu Structure Protector

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

White mineral oil (petroleum) (8042-47-5)	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 2000 mg/kg
LC50 inhalation vapours (rat)	> 5 mg/l
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics ()	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 5000 mg/kg
LC50 inhalation vapours (rat)	> 5 mg/l
Orange, sweet, ext. (8028-48-6)	
LD50 oral (rat)	> 5000 mg/kg
LD50 dermal (rabbit)	> 5000 mg/kg

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

DUTHOO Alu Structure Protector

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

- 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

- 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

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- Do not allow to enter into surface water or drains.
<u>Special precautions for waste treatment</u>	- Consult the appropriate local waste disposal expert about waste disposal.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

DUTHOO Alu Structure Protector

UN number (ADR) : UN1950
UN number (RID) : Not applicable
UN number (ADN) : Not applicable
UN number (IMDG) : UN1950
UN number (IATA) : UN1950

14.2 - UN proper shipping name

UN proper shipping name (ADR) : AEROSOLS
UN proper shipping name (IMDG) : AEROSOLS
UN proper shipping name (IATA) : AEROSOLS, FLAMMABLE

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 2
ADR Classification code: : 5F
Pictograms



Pictograms
Transport hazard class(es) (IMDG) : 2
Pictograms



Transport hazard class(es) (IATA) : 2
Pictograms



14.4 - Packing group

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

14.5 - Environmental hazards

Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user

DUTHOO Alu Structure Protector

ADR

ADR Classification code:	:	5F
ADR Special provisions	:	190+327+344+625
ADR Limited quantity (LQ)	:	1L
ADR Excepted quantities	:	E0
ADR Packing instructions	:	P207 LP200
ADR Special packing provisions	:	PP87 RR6 L2
ADR Mixed packing provisions	:	MP9
Instructions for portable tanks and bulk containers	:	
Special provisions for portable tanks and bulk containers	:	
ADR tank code	:	
ADR tanks special provisions	:	
Vehicle for tank carriage	:	
ADR Transport category	:	2
ADR Tunnel restriction code	:	D
ADR Special provisions loading, unloading and handling	:	CV9 CV12
Special provisions - Packages	:	V14
Special provisions - Bulk	:	
Special provisions - Operation	:	S2
ADR Hazard identification number (Kemler No.)	:	

IMDG

Special provisions	:	63 190 277 327 344 381 959
Limited quantity (LQ)	:	
Excepted quantities	:	E0
Packing instructions	:	P207 LP200
Special packing provisions	:	PP87 L2
IBC instruction(s)	:	
IBC provisions	:	
Instructions for portable tanks and bulk containers	:	
Special provisions for portable tanks and bulk containers	:	
EmS codes	:	F-D, S-U
Stowage and handling	:	Category None SW1 SW22
Segregation	:	SG69
Properties and observations	:	

IATA

PCA - Excepted quantities	:	E0
PCA - Limited Quantity - Packing Instructions	:	Y203
PCA - Limited Quantity - Maximum Net Quantity per Package	:	30kg
PCA - Packing Instructions	:	203
PCA - Maximum Net Quantity per Package	:	75kg
CAO - Packing Instructions	:	203
CAO - Maximum Net Quantity per Package	:	150kg
Special Provisions	:	A145 A167 A802
ERG Code	:	10L

14.7 - Maritime transport in bulk according to IMO instruments

DUTHOO Alu Structure Protector

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 455,65 g/l

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	04/04/2024		

Texts of the regulatory sentences

Aerosol 1	Aerosol - Category 1
Asp. Tox. 1	Aspiration hazard - Category 1
Flam. Gas 1	Flammable gas. - Category 1
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H226	Flammable liquid and vapour
H229	Pressurised container: May burst if heated
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H336	May cause drowsiness or dizziness
Press. Gas	Gases under pressure
Press. Gas (Liq.)	Liquefied gas
Skin Irrit. 2	Irritation, Category 2
Skin Sens. 1	Skin sensitization - Category 1
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

*** **