

# Alu Cleaner Soft

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

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

#### 1.1. Product identifier

Product form : Substance  
Trade name : Alu Cleaner Soft

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

DL CHEMICALS  
Roterijstraat 201-203  
B-8793 Waregem - Belgium  
T + 32 56 62 70 51 - F + 32 56 60 95 68  
[info@dl-chem.com](mailto:info@dl-chem.com) - [www.dl-chem.com](http://www.dl-chem.com)

#### 1.4. Emergency telephone number

Emergency number : + 32 70 245 245

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Flam. Liq. 2 H225  
Eye Irrit. 2 H319  
STOT SE 3 H336

Full text of H-phrases: see section 16

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11  
Xi; R36  
R66  
R67

Full text of R-phrases: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

CLP Signal word : Danger

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P280 - Wear protective gloves, eye protection, face protection  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P312 - Call a POISON CENTER, a doctor if you feel unwell  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P403+P235 - Store in a well-ventilated place. Keep cool

EUH phrases : EUH066 - Repeated exposure may cause skin dryness or cracking

# Alu Cleaner Soft

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 2.3. Other hazards

Other hazards not contributing to the classification : Decomposes in contact with water. May decompose under the influence of light. No specific risk for the environment. Vapours may form explosive mixtures with air.

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Name : Alu Cleaner Soft

Name	Product identifier	%	Classification according to Directive 67/548/EEC
propan-2-ol, isopropyl alcohol, isopropanol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	100	F; R11 Xi; R36 R67
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
propan-2-ol, isopropyl alcohol, isopropanol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	100	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of R- and H-phrases: see section 16

### 3.2. Mixture

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air. Keep at rest. Place the victim in semi-seated position. If breathing is irregular or stopped, administer artificial respiration. Seek medical advice.

First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation persists, take medical advice.

First-aid measures after eye contact : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth thoroughly with water. Drink two glasses of water. Take to hospital.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : Sore throat. Coughing. Mental confusion. Dizziness. drowsiness. unconsciousness.

Symptoms/injuries after skin contact : Redness. Dry skin. Pain.

Symptoms/injuries after eye contact : Redness, pain. Decrease of vision.

Symptoms/injuries after ingestion : Nausea.

### 4.3. Indication of any immediate medical attention and special treatment needed

Call a POISON CENTER or doctor/physician.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Extinguishing powder. alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Water mist.

Unsuitable extinguishing media : Full water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : In case of fire may be liberated: Carbon oxides (CO, CO<sub>2</sub>). fume.

### 5.3. Advice for firefighters

Protection during firefighting : Use self-contained breathing apparatus when in close proximity to fire. Wear suitable protective clothing.

Other information : Apply water spray or fog to cool nearby equipment. Avoid (reject) fire-fighting water to enter environment.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove all sources of ignition. Evacuate area. Ensure adequate ventilation. Do not inhale vapour. Avoid contact with skin, eye and clothing. Wear personal protection equipment.

#### 6.1.1. For non-emergency personnel

No additional information available

# Alu Cleaner Soft

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Stop leak if safe to do so. Contain the spilled material by bunding. Prevent liquid from entering sewers, watercourses, underground or low areas. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect in closed containers for disposal. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). To be disposed of as hazardous waste. Wash away remainder with plenty of water.

### 6.4. Reference to other sections

For disposal of contaminated materials refer to section 13 : Disposal considerations" ". For further information refer to section 8 : Exposure-controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Avoid raising dust.  
Precautions for safe handling : Do not inhale vapour. Avoid contact with skin, eye and clothing. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of work. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well-ventilated place. Keep in fireproof place. Provide for retaining containers, eg. floor pan without outflow.  
Incompatible products : Keep away from : Oxidizing agents. Strong acids. Strong bases.  
Heat and ignition sources : Eliminate every possible source of ignition. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. Do not use compressed air to either agitate or transfer the contents of storage containers (tanks) / shipping drums containing this material. Take precautionary measures against static discharges. Use explosion-protected machinery, apparatus, suction equipment, appliances etc. Use only non-sparking tools.  
Packaging materials : Stainless steel. copper. bronze. polypropylene. polyethylene. Polyester. Teflon. Do not use : aluminium, Polystyrene, NR (Natural rubber (caoutchouc), Natural latex)., Butyl rubber.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Alu Cleaner Soft		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	999 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	1250 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	500 ppm
Alu Cleaner Soft (67-63-0)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	500 mg/m <sup>3</sup>	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	26 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	89 mg/m <sup>3</sup>	
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	140,9 mg/l	
PNEC aqua (marine water)	140,9 mg/l	
PNEC aqua (intermittent, freshwater)	140,9 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	552 mg/kg dwt	
PNEC sediment (marine water)	552 mg/kg dwt	
PNEC (Soil)		
PNEC soil	28 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	2251 mg/l	

# Alu Cleaner Soft

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 8.2. Exposure controls

Appropriate engineering controls	: Provide local exhaust or general room ventilation.
Hand protection	: Wear protective gloves. DIN EN 374. Nitrile rubber (NBR) / >480' 0,35mm. Butyl rubber (IIR) / >480' 0.5mm.
Eye protection	: Wear tight fitting safety glasses or facial screen.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Approved organic vapour respirator. Gas mask with filter type A.
Environmental exposure controls	: Reference to other sections.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: clear. Colourless.
Odour	: alcohol odour.
Odour threshold	: 30 ppm
pH	: neutral
Relative evaporation rate (butylacetate=1)	: 1,5 - 2,2
Melting point	: -89 °C
Freezing point	: No data available
Boiling point	: 82 - 83 °C
Flash point	: 12 - 15 °C
Auto-ignition temperature	: 350 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 4,2 - 6 kPa (at 20 °C)
Relative vapour density at 20 °C	: 2,1
Relative density	: No data available
Relative density of saturated gas/air mixture	: 1,5
Density	: 0,8 kg/l (at 20 °C)
Solubility	: Soluble in: Alcohol. ether. chloroform. Water: completely soluble
Log Pow	: No data available
Viscosity, kinematic	: @25°C 2,66 mm <sup>2</sup> /s
Viscosity, dynamic	: @25°C 2,1 - 2,5 mPa.s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 2 - 13 vol %

### 9.2. Other information

Specific conductivity	: 5.8*10E6 pS/m
VOC content	: 100 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts violently with : Oxidizing agents. Strong acids.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Decomposes in contact with water. May decompose under the influence of light.

### 10.4. Conditions to avoid

high temperatures.

### 10.5. Incompatible materials

Strong acids, strong bases and oxidation agents.

### 10.6. Hazardous decomposition products

Formaldehyde. Hydrogen. carbon oxides (CO and CO<sub>2</sub>).

# Alu Cleaner Soft

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Alu Cleaner Soft (67-63-0)	
LD50 oral rat	5840 mg/kg
LD50 dermal rabbit	13900 mg/kg
LC50 inhalation rat (mg/l)	6h 25000 mg/m <sup>3</sup>

Skin corrosion/irritation : Not classified  
mild skin irritation (rabbit)  
May cause eczema  
Repeated exposure may cause skin dryness or cracking.  
pH: neutral

Serious eye damage/irritation : Causes serious eye irritation.  
pH: neutral

Respiratory or skin sensitisation : Not classified  
no danger of sensitization.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure) : Not classified  
May have damaging effect on respiratory system, central nervous system and liver.

Aspiration hazard : Not classified

Alu Cleaner Soft (67-63-0)	
Viscosity, kinematic	@25°C 2,66 mm <sup>2</sup> /s

### SECTION 12: Ecological information

#### 12.1. Toxicity

Alu Cleaner Soft (67-63-0)	
LC50 fishes 1	96h 9640 mg/l Pimephales promelas
EC50 Daphnia 1	24h 1000 mg/l Daphnia magna (Big water flea)
ErC50 (algae)	72h 1000 mg/l Scenedesmus subspicatus

#### 12.2. Persistence and degradability

Alu Cleaner Soft (67-63-0)	
Persistence and degradability	Easily biodegradable (concerning to the criteria of the OECD).

#### 12.3. Bioaccumulative potential

Alu Cleaner Soft (67-63-0)	
Bioaccumulative potential	not bioaccumulative.

#### 12.4. Mobility in soil

Alu Cleaner Soft (67-63-0)	
Ecology - soil	Soluble in water.

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Empty the packaging completely prior to disposal.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Hand over to officially registered waste disposal company. Return to manufacturer.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. (ADR) : 1219

# Alu Cleaner Soft

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

UN-No. (IMDG)	: 1219
UN-No.(IATA)	: 1219
UN-No.(ADN)	: Not applicable
UN-No. (RID)	: 1219

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Isopropyl alcohol
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3

#### IMDG

Transport hazard class(es) (IMDG) : 3

#### IATA

Transport hazard class(es) (IATA) : 3

#### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : 3

### 14.4. Packing group

Packing group (ADR)	: II
Packing group (IMDG)	: II
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Classification code (ADR)	: F1
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Hazard identification number (Kemler No.)	: 33
Orange plates	:



Tunnel restriction code (ADR) : D/E

#### 14.6.2. Transport by sea

EmS-No. (1)	: F-E
EmS-No. (2)	: S-D

#### 14.6.3. Air transport

#### 14.6.4. Inland waterway transport

Not subject to ADN : No

#### 14.6.5. Rail transport

Classification code (RID) : F1

# Alu Cleaner Soft

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Ship type : Type 3

Pollution category : Z

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

VOC content : 100 %

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

## SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
R11	Highly flammable
R36	Irritating to eyes
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
Xi	Irritant

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*