

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

## Agent Alu matt 180 kgs

Version 1.0

Revision Date 11.07.2024

Print Date 12.07.2024

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

#### 1.1 Product identifier

Trade name : Agent Alu matt 180 kgs  
Material number : 08836025V

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

This information is not available.

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

Company : ECKART GmbH  
Guntersthal 4  
91235 Hartenstein  
Telephone : +499152770  
Telefax : +499152777008  
E-mail address : [msds.eckart@altana.com](mailto:msds.eckart@altana.com)  
Responsible/issuing person

#### 1.4 Emergency telephone number

**NCEC:**

(contract no.: ECKART29003-NCEC)

+44 1235 239671 (Middle East/Africa, call and response in your language)

+1 215 207 0061 (Americas, call and response in your language)

+65 3158 1074 (Asia-Pacific, call and response in your language)

### SECTION 2: Hazards identification

#### GHS Classification

: Flammable liquids, Category 2, H225  
Skin corrosion/irritation, Category 2, H315  
Serious eye damage/eye irritation, Category 2A, H319

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Specific target organ toxicity - single exposure, Category 3,  
 Respiratory system, Central nervous system, H335H336  
 Specific target organ toxicity - repeated exposure, Category 2,  
 H373  
 Aspiration hazard, Category 1, H304  
 Short-term (acute) aquatic hazard, Category 3, H402  
 Long-term (chronic) aquatic hazard, Category 3, H412

**GHS-Labelling**

Symbol(s)



Signal word

: Danger

Hazard statements

: H225: Highly flammable liquid and vapour.  
 H304: May be fatal if swallowed and enters airways.  
 H315: Causes skin irritation.  
 H319: Causes serious eye irritation.  
 H335: May cause respiratory irritation.  
 H336: May cause drowsiness or dizziness.  
 H373: May cause damage to organs through prolonged or  
 repeated exposure.  
 H412: Harmful to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**  
 P210 Keep away from heat, hot surfaces, sparks, open  
 flames and other ignition sources. No smoking.  
 P233 Keep container tightly closed.  
 P240 Ground and bond container and receiving equipment.  
 P241 Use explosion-proof electrical/ ventilating/ lighting  
 equipment.  
 P242 Use non-sparking tools.  
 P243 Take action to prevent static discharges.  
 P260 Do not breathe mist or vapours.  
 P264 Wash skin thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.

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P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.

**Response:**

P301 + P316 IF SWALLOWED: Get emergency medical help immediately.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water.

P304 + P340 + P319 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331 Do NOT induce vomiting.

P332 + P317 If skin irritation occurs: Get medical help.

P337 + P317 If eye irritation persists: Get medical help.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Hazardous components which must be listed on the label**

Identification	CAS-No.
acetone	67-64-1
xylene	1330-20-7
n-butyl acetate	123-86-4
ethyl acetate	141-78-6
Solvent naphtha (petroleum), light arom.	64742-95-6
Naphtha (petroleum), hydrotreated heavy	64742-48-9

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Naphtha (petroleum), hydrotreated heavy 64742-48-9

### SECTION 3: Composition/information on ingredients

Substance No. :

#### Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
acetone	67-64-1 200-662-2	Flam. Liq.;2;H225 Acute Tox.;5;H303 Acute Tox.;5;H313 ;2A;H319 STOT SE;3;H336	20 - 25
xylene	1330-20-7 215-535-7	Flam. Liq.;3;H226 Acute Tox.;4;H332 ;2;H315 ;2A;H319 STOT SE;3;H335 STOT RE;2;H373 Asp. Tox.;1;H304	10 - 20
n-butyl acetate	123-86-4 204-658-1	Flam. Liq.;3;H226 STOT SE;3;H336	10 - 20
ethyl acetate	141-78-6 205-500-4	Flam. Liq.;2;H225 ;2A;H319 STOT SE;3;H336	10 - 20
Solvent naphtha (petroleum), light arom.	64742-95-6 918-668-5	Flam. Liq.;3;H226 Acute Tox.;5;H303	2,5 - 10

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		Acute Tox.;5;H313 STOT SE;3;H335, H336 Asp. Tox.;1;H304 Aquatic Chronic;2;H411	
Naphtha (petroleum), hydrotreated heavy	64742-48-9	Flam. Liq.;3;H226 STOT SE;3;H336 Asp. Tox.;1;H304	1 - 10
aluminium	7429-90-5 231-072-3	Flam. Sol.;1;H228	1 - 10
Naphtha (petroleum), hydrotreated heavy	64742-48-9 918-481-9	Flam. Liq.;4;H227 Asp. Tox.;1;H304	1 - 10
zinc oxide	1314-13-2 215-222-5	Aquatic Acute;1;H400 Aquatic Chronic;1;H410	1 - 2,5
zinc 5-nitroisophthalate	60580-61-2 262-309-9	Aquatic Acute;1;H400 Aquatic Chronic;2;H411	1 - 2,5

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures**
**4.1 Description of first aid measures**

General advice : Move out of dangerous area.

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If inhaled	Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. : Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	: If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	: Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

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

This information is not available.

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

This information is not available.

**SECTION 5: Firefighting measures**
**5.1 Extinguishing media**

Suitable extinguishing media	: Dry sand, Special powder against metal fire  Alcohol-resistant foam, Carbon dioxide (CO <sub>2</sub> ), Dry chemical
Unsuitable extinguishing media	: Water  High volume water jet

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**5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

**5.3 Advice for firefighters**

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**6.2 Environmental precautions**

General advice : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

This information is not available.

**6.3 Methods and materials for containment and cleaning up**

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Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

**6.4 Reference to other sections**

This information is not available.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Advice on safe handling : Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.



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Other data : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

This information is not available.

**SECTION 8: Exposure controls/personal protection**
**8.1 Control parameters**
**Germany:**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
acetone	67-64-1	TWA	500 ppm 1 210 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
Further information		Indicative			
acetone	67-64-1	AGW	500 ppm 1 200 mg/m <sup>3</sup>	2015-03-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(I)			
Further information		Commission for dangerous substances Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission). European Union (The EU has established a limit value: deviations in value and peak limit are possible) When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
xylene	1330-20-7	TWA	50 ppm 221 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
Further information		Identifies the possibility of significant uptake through the skin Indicative			
xylene	1330-20-7	STEL	100 ppm 442 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
Further information		Identifies the possibility of significant uptake through the skin Indicative			

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xylene	1330-20-7	AGW	50 ppm 220 mg/m <sup>3</sup>	2020-10-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		Skin absorption			
n-butyl acetate	123-86-4	AGW	62 ppm 300 mg/m <sup>3</sup>	2012-09-13	DE TRGS 900
Peak-limit: excursion factor (category)		2;(I)			
Further information		Commission for dangerous substances When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
n-butyl acetate	123-86-4	STEL	150 ppm 723 mg/m <sup>3</sup>	2019-10-31	2019/1831/EU
Further information		Indicative			
n-butyl acetate	123-86-4	TWA	50 ppm 241 mg/m <sup>3</sup>	2019-10-31	2019/1831/EU
Further information		Indicative			
ethyl acetate	141-78-6	AGW	200 ppm 730 mg/m <sup>3</sup>	2017-06-08	DE TRGS 900
Peak-limit: excursion factor (category)		2;(I)			
Further information		Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission). European Union (The EU has established a limit value: deviations in value and peak limit are possible) When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
ethyl acetate	141-78-6	STEL	400 ppm 1 468 mg/m <sup>3</sup>	2017-02-01	2017/164/EU
Further information		Indicative			
ethyl acetate	141-78-6	TWA	200 ppm 734 mg/m <sup>3</sup>	2017-02-01	2017/164/EU
Further information		Indicative			
Solvent	64742-95-	AGW	100 mg/m <sup>3</sup>	2009-02-16	DE TRGS 900

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naphtha (petroleum), light arom.	6				
Peak-limit: excursion factor (category)		2;(II)			
Further information		Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2.9 of the TRGS 900			
Naphtha (petroleum), hydrotreated heavy	64742-48- 9	AGW	300 mg/m <sup>3</sup>	2017-11-30	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		Group exposure limit for hydrocarbon solvent mixturesCommission for dangerous substancesSee also No. 2.9 of the TRGS 900			
aluminium	7429-90-5	AGW (Inhalable fraction)	10 mg/m <sup>3</sup>	2021-07-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
aluminium	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup>	2021-07-02	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
Naphtha (petroleum), hydrotreated heavy	64742-48- 9	AGW	300 mg/m <sup>3</sup>	2017-11-30	DE TRGS 900
Peak-limit: excursion factor (category)		2;(II)			
Further information		Group exposure limit for hydrocarbon solvent			

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	mixtures Commission for dangerous substances See also No. 2.9 of the TRGS 900
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**8.2 Exposure controls**
**Personal protective equipment**

Eye protection : Tightly fitting safety goggles  
 : Tightly fitting safety goggles  
 Wear face-shield and protective suit for abnormal processing  
 problems.

Hand protection

Remarks : The suitability for a specific workplace should be discussed  
 with the producers of the protective gloves.

Skin and body protection : Choose body protection according to the amount and  
 concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an  
 approved filter.

**Environmental exposure controls**

General advice : Prevent product from entering drains.  
 Prevent further leakage or spillage if safe to do so.  
 If the product contaminates rivers and lakes or drains inform  
 respective authorities.

**SECTION 9: Physical and chemical properties**
**9.1 Information on basic physical and chemical properties**

Appearance : liquid  
 Colour : silver  
 Odour : No data available  
 pH : substance/mixture is non-soluble (in water)

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Freezing point	: No data available
Boiling point/boiling range	: 55 °C
Flash point	: -19 °C
Bulk density	: No data available
Flammability (solid, gas)	: No data available
Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: ca. 0,9 g/cm <sup>3</sup>
Water solubility	: No data available
Miscibility with water	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Flow time	: 13 - 15 s at 20 °C Cross section: 4 mm Method: DIN 53211

**9.2 Other information**

No data available

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

No decomposition if stored and applied as directed.

**10.2 Chemical stability**

No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

**10.4 Conditions to avoid**

Conditions to avoid : Heat, flames and sparks.

**10.5 Incompatible materials**

Materials to avoid : No data available

**10.6 Hazardous decomposition products**

Other information : No data available

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Components:****acetone :**

Acute oral toxicity : LD50 Rabbit: 4 700 - 5 800 mg/kg

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Mouse: 3 000 mg/kg

Rat: 9 800 mg/kg

Acute inhalation toxicity : LC50 Rat: 76 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 Rabbit: > 2 000 mg/kg

**xylene :**

Acute inhalation toxicity : The component/mixture is moderately toxic after short term inhalation.

**ethyl acetate :**

Acute oral toxicity : Rat: 5 620 mg/kg

Acute inhalation toxicity : LC50 Rat: 56 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 Rabbit: > 18 000 mg/kg

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### Solvent naphtha (petroleum), light arom. :

Acute oral toxicity : LD50 Rat: 3 492 mg/kg

Acute dermal toxicity : LD50 Rabbit: > 3 160 mg/kg

### Naphtha (petroleum), hydrotreated heavy :

Acute oral toxicity : LD50 Rat: > 5 000 mg/kg

Acute inhalation toxicity : LC50 Rat: Test atmosphere: vapour

An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.

Acute dermal toxicity : LD50 Rabbit: > 5 000 mg/kg

### Skin corrosion/irritation

#### Product

May cause skin irritation in susceptible persons.

### Serious eye damage/eye irritation

#### Product

Eye irritation

### Respiratory or skin sensitisation

No data available



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### Carcinogenicity

No data available

### Toxicity to reproduction/fertility

No data available

### Reprod.Tox./Development/Teratogenicity

No data available

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Aspiration toxicity

No data available

### Further information

#### Product

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

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## SECTION 12: Ecological information

### 12.1 Toxicity

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**Components:****acetone (67-64-1) :**Toxicity to daphnia and other : (Daphnia magna (Water flea)): 21 600 mg/l  
aquatic invertebrates**ethyl acetate (141-78-6) :**Toxicity to daphnia and other : (Daphnia (water flea)): 717 mg/l  
aquatic invertebrates**Solvent naphtha (petroleum), light arom. (64742-95-6) :****Ecotoxicology Assessment**Long-term (chronic) aquatic : Toxic to aquatic life with long lasting effects.  
hazard**zinc oxide (1314-13-2) :**

M-Factor : 1

**Ecotoxicology Assessment**Short-term (acute) aquatic : Very toxic to aquatic life.  
hazardLong-term (chronic) aquatic : Very toxic to aquatic life with long lasting effects.  
hazard**zinc 5-nitroisophthalate (60580-61-2) :****Ecotoxicology Assessment**Short-term (acute) aquatic : Very toxic to aquatic life.  
hazardLong-term (chronic) aquatic : Toxic to aquatic life with long lasting effects.  
hazard**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

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No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

European Waste Catalogue : 08 01 11\* - waste paint and varnish containing organic solvents or other dangerous substances

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.  
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.  
In accordance with local and national regulations.

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**SECTION 14: Transport information****14.1 UN number**

ADR	: 1263
TDG	: 1263
CFR	: 1263
IMDG	: 1263
IATA	: 1263

**14.2 Proper shipping name**

ADR	: PAINT
TDG	: PAINT
CFR	: PAINT
IMDG	: PAINT
IATA	: PAINT

**14.3 Transport hazard class**

ADR	: 3
TDG	: 3
CFR	: 3
IMDG	: 3
IATA	: 3

**14.4 Packing group**

ADR	
Packaging group	: II
Classification Code	: F1
Hazard Identification Number	: 33
Labels	: 3

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Tunnel restriction code : (D/E)

**TDG**

Packaging group : II

Labels : 3

**CFR**

Packaging group : II

Labels : 3

**IMDG**

Packaging group : II

Labels : 3

EmS Code : F-E, S-E**IATA**Packing instruction (cargo  
aircraft) : 364Packing instruction  
(passenger aircraft) : 353

Packing instruction (LQ) : Y341

Packaging group : II

Labels : 3

**14.5 Environmental hazards****14.6 Special precautions for user****14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No data available

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**SECTION 15: Regulatory information**
**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	:
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	: Banned and/or restricted (acetone) (xylene) (n-butyl acetate) (ethyl acetate) (Solvent naphtha (petroleum), light arom.) (Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha) (aluminium powder (stabilised)) (Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha) (ethylbenzene) (Reaction mass from ethylbenzene and xylene) (Castor oil, sulfated, sodium salt)
Regulation (EU) 2019/1148 on the marketing and use of explosives precursors	: Listed (acetone)

**15.2 Chemical safety assessment**

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No data available

**SECTION 16: Other information****Full text of H-Statements**

H225	: Highly flammable liquid and vapour.
H226	: Flammable liquid and vapour.
H227	: Combustible liquid.
H228	: Flammable solid.
H303	: May be harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H313	: May be harmful in contact with skin.
H315	: Causes skin irritation.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H373	: May cause damage to organs through prolonged or repeated exposure.
H400	: Very toxic to aquatic life.
H402	: Harmful to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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