

# Material Safety Data Sheet



## SAFETY DATA SHEET DASA DS-702

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

#### 1.1. Product identifier

**Product name** DASA DS-702

**Container size** 750ml

**UFI** UFI: EFEX-H8YP-300X-NE55

**EU REACH registration notes** All chemicals used in this product have been registered under REACH where required.

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

**Identified uses** Adhesive. Use only as directed.

**Uses advised against** Flexible PVC due to the risk of plasticiser migration.

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

**Supplier** DASA International B.V.  
Bergerweg 62  
1815 AE Alkmaar  
Netherlands

info@dasa-international.com  
+31(0)72 5719917

#### 1.4. Emergency telephone number

**Emergency telephone** DASA: +31(0)72-5719917 (Mon-Fri 09:00-17:00)

**National emergency telephone number** National Poisons Information Service (UK): 0844 892 0111 (healthcare professionals only)  
NHS: 111 (members of the public)

### SECTION 2: Hazards identification

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

##### Classification (SI 2019 No. 720)

**Physical hazards** Aerosol 1 - H222, H229

**Health hazards** Eye Irrit. 2 - H319 STOT SE 3 - H336

**Environmental hazards** Aquatic Chronic 3 - H412

#### 2.2. Label elements

##### Hazard pictograms



**Signal word** Danger

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<b>Hazard statements</b>	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	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. P261 Avoid breathing vapour/ spray. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P308+P313 IF exposed or concerned: Get medical advice/ attention. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	EUH066 Repeated exposure may cause skin dryness or cracking. Please refer to Safety Data Sheet. Use only as directed.
<b>Contains</b>	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, ACETONE, METHYL ACETATE, TOLUENE
<b>Supplementary precautionary statements</b>	P271 Use only outdoors or in a well-ventilated area. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

Containers should be thoroughly emptied before disposal because of the risk of an explosion. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. In use may form flammable/explosive vapour-air mixture. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. This product does not contain any substances classified as PBT or vPvB. Vapours in high concentrations are narcotic.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>DIMETHYL ETHER</b>	<b>30-60%</b>
CAS number: 115-10-6	EC number: 204-065-8
<b>Classification</b> Flam. Gas 1A - H220 Press. Gas (Liq.) - H280	

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<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>		<b>10-30%</b>
CAS number: —		EC number: 926-605-8
<b>Classification</b> Flam. Liq. 2 - H225 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		
<b>ACETONE</b>		<b>5-10%</b>
CAS number: 67-64-1		EC number: 200-662-2
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
<b>METHYL ACETATE</b>		<b>1-5%</b>
CAS number: 79-20-9		EC number: 201-185-2
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
<b>TOLUENE</b>		<b>1-5%</b>
CAS number: 108-88-3		EC number: 203-625-9
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304		

The full text for all hazard statements is displayed in Section 16.

**Composition comments** This product does not contain nanoforms.

**Ingredient notes** Where required, the acute toxicity estimate (ATE) for any substance is listed in Section 11.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Keep affected person under observation. Get medical attention. Show this Safety Data Sheet to the medical personnel.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention.

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<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure. Exposure may cause coughing or wheezing. In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.
<b>Ingestion</b>	Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Causes serious eye irritation. Profuse watering of the eyes.

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

<b>Notes for the doctor</b>	Show this safety data sheet to the doctor in attendance.
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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
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### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember. If exposed to excessive heat, the safety disc will burst releasing the contents in a controlled manner. Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### **5.3. Advice for firefighters**

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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## **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not breathe vapour. Avoid contact with eyes and prolonged skin contact.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground.
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### **6.3. Methods and material for containment and cleaning up**

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**Methods for cleaning up** PERSONAL PROTECTION. Provide adequate ventilation. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Do not use equipment in clean up procedure which may produce sparks. Absorb in vermiculite, dry sand or earth and place into containers. No smoking, sparks, flames or other sources of ignition near spillage.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Provide adequate ventilation. Avoid inhalation of vapours. For personal protection, see Section 8.

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

**Storage precautions** Keep away from heat, sparks and open flame. Store in a cool and well-ventilated place.

**Storage class** Flammable compressed gas storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Usage description** Solvent based adhesive.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **DIMETHYL ETHER**

Long-term exposure limit (8-hour TWA): WEL 400 ppm 766 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 958 mg/m<sup>3</sup>

**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Heptane:

Long-term exposure limit (8-hour TWA): WEL 500 ppm

n-Hexane:

Long-term exposure limit (8-hour TWA): WEL 72 mg/m<sup>3</sup> 20 ppm

#### **ACETONE**

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m<sup>3</sup>

#### **METHYL ACETATE**

Long-term exposure limit (8-hour TWA): WEL 200 ppm 616 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 250 ppm 770 mg/m<sup>3</sup>

#### **TOLUENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 384 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit.

### **DIMETHYL ETHER (CAS: 115-10-6)**

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### PNEC

Fresh water; 0.155 mg/l  
marine water; 0.016 mg/l  
Intermittent release; 1.549 mg/l  
STP; 160 mg/l  
Sediment (Freshwater); 0.681 mg/l  
Sediment (Marinewater); 0.069 mg/l  
Soil; 0.045 mg/l

### ACETONE (CAS: 67-64-1)

### DNEL

Workers - Dermal; Long term : 186 mg/kg/day  
Workers - Inhalation; Short term : 2420 mg/m<sup>3</sup>  
Workers - Inhalation; Long term : 1210 mg/m<sup>3</sup>  
Consumer - Oral; Long term : 62 mg/kg/day  
Consumer - Dermal; Long term : 62 mg/kg/day  
Consumer - Inhalation; Long term : 200 mg/m<sup>3</sup>

### PNEC

Fresh water; 10.6 mg/l  
marine water; 1.06 mg/l  
Intermittent release; 21 mg/l  
Sediment (Freshwater); 30.4 mg/kg/day  
Sediment (Marinewater); 3.04 mg/kg/day  
Soil; 33.3 mg/kg/day  
STP; 100 mg/l

### TOLUENE (CAS: 108-88-3)

### DNEL

Consumer - Oral; Long term systemic effects: 8.13 mg/kg/day  
Workers - Dermal; Long term systemic effects: 384 mg/kg/day  
Consumer - Inhalation; Short term local effects: 226 mg/m<sup>3</sup>  
Consumer - Inhalation; Short term systemic effects: 226 mg/m<sup>3</sup>  
Workers - Inhalation; Short term systemic effects: 384 mg/m<sup>3</sup>  
Workers - Inhalation; Short term local effects: 384 mg/m<sup>3</sup>  
Workers - Inhalation; Long term local effects: 192 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term systemic effects: 56.5 mg/m<sup>3</sup>  
Workers - Inhalation; Long term systemic effects: 192 mg/m<sup>3</sup>

### PNEC

- Fresh water; 0.68 mg/l  
- Sediment (Freshwater); 16.39 mg/kg  
- STP; 13.61 mg/l  
- Soil; 2.89 mg/kg  
- Sediment (Marinewater); 16.39 mg/kg  
- marine water; 0.68 mg/l

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Ensure that the direction of airflow is clearly away from the worker. Use approved respirator if air contamination is above an acceptable level. Observe any occupational exposure limits for the product or ingredients. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof electrical, ventilating and lighting equipment. Ensure operatives are trained to minimise exposure.

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<b>Personal protection</b>	Wear protective work clothing.
<b>Eye/face protection</b>	Wear chemical splash goggles. Personal protective equipment that provides appropriate eye and face protection should be worn.
<b>Hand protection</b>	To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. (PE/PA/PE), 2.5mil (0.06mm), >480 min. Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.
<b>Other skin and body protection</b>	Provide eyewash station. Avoid contact with skin. Wear suitable coveralls to prevent exposure to the skin.
<b>Hygiene measures</b>	Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Use appropriate hand lotion to prevent defatting and cracking of skin. Wash at the end of each work shift and before eating, smoking and using the toilet.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Short term Gas filter, type AX.
<b>Thermal hazards</b>	Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin.
<b>Environmental exposure controls</b>	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Aerosol.
<b>Colour</b>	Green.
<b>Odour</b>	Hydrocarbons.
<b>Odour threshold</b>	Data lacking.
<b>pH</b>	pH (concentrated solution): 7
<b>Melting point</b>	Data lacking.
<b>Initial boiling point and range</b>	Dimethyl ether: -25°C Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane: 75-90°C Acetone: 56°C
<b>Flash point</b>	A flash point method is not available for aerosols, but the major hazardous component, the propellant (dimethyl ether) has a flash point of <-41°C with flammability limits of 26.2% vol. upper and 3.3% vol. lower.
<b>Evaporation rate</b>	Not available.
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	No information required.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Other flammability</b>	No specific test data are available.
<b>Vapour pressure</b>	3 - 5 bar @ 20°C

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Vapour density	Not available.
Relative density	Liquid base: 0.84 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Dimethyl ether: 226°C
Decomposition Temperature	Not available.
Viscosity	Liquid base: 400 - 700 mm <sup>2</sup> /s @ 20°C
Explosive properties	In use may form flammable/explosive vapour-air mixture.
Explosive under the influence of a flame	Yes
Oxidising properties	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

Particle size	No information required.
Volatile organic compound	615 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	Stable under recommended transport or storage conditions.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No known hazardous reactions if stored under normal conditions. Will not polymerise.
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### 10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.
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### 10.5. Incompatible materials

Materials to avoid	Strong acids. Strong oxidising agents.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	In combustion emits toxic fumes
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

Summary	Based on available data the classification criteria are not met.
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#### Acute toxicity - dermal

Summary	Based on available data the classification criteria are not met.
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#### Acute toxicity - inhalation

Summary	Based on available data the classification criteria are not met.
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### Skin corrosion/irritation

**Summary** Based on available data the classification criteria are not met.

### Serious eye damage/irritation

**Summary** Causes serious eye irritation.

### Respiratory sensitisation

**Summary** Based on available data the classification criteria are not met.

### Skin sensitisation

**Summary** Based on available data the classification criteria are not met.

### Germ cell mutagenicity

**Summary** Based on available data the classification criteria are not met.

### Carcinogenicity

**Summary** Based on available data the classification criteria are not met.

### Reproductive toxicity

**Summary** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**Summary** May cause drowsiness or dizziness.

**STOT - single exposure** Narcotic effect.

### Specific target organ toxicity - repeated exposure

**Summary** Based on available data the classification criteria are not met.

### Aspiration hazard

**Summary** Based on available data the classification criteria are not met.

## 11.2. Information on other hazards

**11.2.1. Endocrine disrupting properties** There are no adverse health effects caused by endocrine disrupting properties.

**11.2.2. Other information** No information available.

### Toxicological information on ingredients.

#### DIMETHYL ETHER

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Not applicable.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Not applicable.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** 164000 ppm, Inhalation, Rat

#### Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

##### Skin corrosion/irritation

**Skin corrosion/irritation** Irritating to skin.

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### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**General information** The product irritates mucous membranes and may cause abdominal discomfort if swallowed.

### ACETONE

**Toxicological effects** The toxicity of this substance has been assessed during REACH registration.

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,800.0

**Species** Rat

**ATE oral (mg/kg)** 5,800.0

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 7,400.0

**Species** Rabbit

**ATE dermal (mg/kg)** 7,400.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 76.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 76.0

#### Skin corrosion/irritation

**Skin corrosion/irritation** Repeated exposure may cause skin dryness or cracking.

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

#### Skin sensitisation

**Skin sensitisation** Not sensitising. Guinea pig

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Gene mutation: Negative.

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**Genotoxicity - in vivo** Micronucleus assay: Negative.

**Reproductive toxicity**

**Reproductive toxicity - development** No evidence of reproductive toxicity in animal studies.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** NOAEL 900 mg/kg/90d bw/d, Oral, Rat  
NOAEC 22500 mg/m<sup>3</sup>/8w, Inhalation, Rat

**METHYL ACETATE**

**Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> 3705 mg/kg, Oral, Rabbit

**Skin corrosion/irritation**

**Skin corrosion/irritation** Not irritating.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Causes serious eye irritation.

**TOLUENE**

**Toxicological effects** The toxicity of this substance has been assessed during REACH registration. This product is very toxic.

**Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 4,328.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat

**ATE oral (mg/kg)** 4,328.0

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rabbit

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Dermal, Rabbit

**ATE dermal (mg/kg)** 5,000.0

**Acute toxicity - inhalation**

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 19.0

**Species** Rat

**Notes (inhalation LC<sub>50</sub>)** >20 mg/l, Inhalation, Rat

**ATE inhalation (vapours mg/l)** 19.0

**Skin corrosion/irritation**

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**Skin corrosion/irritation** Skin irritation.

### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

### Reproductive toxicity

**Reproductive toxicity - development** Suspected of damaging the unborn child.

### Specific target organ toxicity - single exposure

**STOT - single exposure** May cause drowsiness or dizziness.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard

**Aspiration hazard** May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

**Ecotoxicity** The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### Ecological information on ingredients.

#### Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

### 12.1. Toxicity

**Toxicity** Harmful to aquatic life with long lasting effects.

### Ecological information on ingredients.

#### DIMETHYL ETHER

### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: >4000 mg/l, Poecilia reticulata (Guppy)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: >4000 mg/l, Daphnia magna  
LC<sub>50</sub>, 48 hours: 755,549 mg/l, Daphnia magna

#### Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hours: 9.776 mg/l, Freshwater fish

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<b>Acute toxicity - aquatic invertebrates</b>	EL50, 48 hours: 3.0 mg/l, Daphnia magna
<b>Acute toxicity - microorganisms</b>	NOEL, 48 hours: 8.483 mg/l, Tetrahymena pyriformis.

### ACETONE

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 8800 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	NOEC, 8 hours: 530 mg/l/8 d, Algae
<b>Acute toxicity - terrestrial</b>	LD <sub>50</sub> , 48 hours: 0.1 - 1 mg/cm <sup>2</sup> , Eisenia Fetida (Earthworm)

### TOLUENE

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 13 mg/l, Carassius auratus (Goldfish) NOEC, 192 hours: >1<10 mg/l, LC <sub>50</sub> , 96 hours: >1<10 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 11.5 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: 12 mg/l, Selenastrum capricornutum IC <sub>50</sub> , 72 hours: >100 mg/l, Algae

#### 12.2. Persistence and degradability

**Persistence and degradability** Biodegradable in part only.

#### Ecological information on ingredients.

### DIMETHYL ETHER

<b>Biodegradation</b>	Water - 5%: 28 days
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#### Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

<b>Persistence and degradability</b>	The product is biodegradable.
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### ACETONE

<b>Persistence and degradability</b>	The product is readily biodegradable.
<b>Biodegradation</b>	Water - Degradation >60: 28 days

### TOLUENE

<b>Persistence and degradability</b>	The product is readily biodegradable.
<b>Biological oxygen demand</b>	1.23 g O <sub>2</sub> /g substance

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### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

### Ecological information on ingredients.

#### DIMETHYL ETHER

**Bioaccumulative potential** No data available on bioaccumulation.

#### ACETONE

**Bioaccumulative potential** BCF 3

#### TOLUENE

**Bioaccumulative potential** The product is not bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

### Ecological information on ingredients.

#### DIMETHYL ETHER

**Mobility** Koc: 7,759

#### Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

#### ACETONE

**Mobility** Mobile.

#### TOLUENE

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

#### DIMETHYL ETHER

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current UK criteria.

#### Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current UK criteria.

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### ACETONE

**Results of PBT and vPvB assessment**      This substance is not classified as PBT or vPvB according to current UK criteria.

### TOLUENE

**Results of PBT and vPvB assessment**      This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**12.6. Endocrine disrupting properties**      There are no adverse effects on the environment caused by endocrine disrupting properties.

**12.7. Other adverse effects**      None known.

#### Ecological information on ingredients.

### TOLUENE

**Other adverse effects**      Do not discharge into drains or watercourses or onto the ground.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>General information</b>	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	Dispose of contents/container in accordance with local regulations.
<b>Waste class</b>	Full or Partially Empty Aerosol: 16 05 04, Empty Aerosol: 15 01 10 (Containing hazardous residues), Empty Aerosol: 15 01 04 (No hazardous residues).

### SECTION 14: Transport information

#### 14.1. UN number

<b>UN No. (ADR/RID)</b>	1950
<b>UN No. (IMDG)</b>	1950
<b>UN No. (ICAO)</b>	1950
<b>UN No. (ADN)</b>	1950

#### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	AEROSOLS
<b>Proper shipping name (IMDG)</b>	AEROSOLS
<b>Proper shipping name (ICAO)</b>	AEROSOLS
<b>Proper shipping name (ADN)</b>	AEROSOLS

#### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	2.1
<b>ADR/RID classification code</b>	5F
<b>ADR/RID label</b>	2.1
<b>IMDG class</b>	2.1

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ICAO class/division 2.1

ADN class 2.1

## Transport labels

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

IMDG Code segregation group SG69, SW1, SW22

EmS F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code**SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixtureNational regulations Control of Substances Hazardous to Health Regulations 2002 (as amended).  
Health and Safety at Work etc. Act 1974 (as amended).  
The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

Authorisations (SI 2020 No. 1577 Annex XIV) No specific authorisations are known for this product.

Restrictions (SI 2020 No. 1577 Annex XVII) Entry number: 48

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

**SECTION 16: Other information**Classification procedures according to SI 2019 No. 720 Aerosol 1 - H222, H229: Weight of evidence.  
Eye Irrit. 2 - H319, STOT SE 3 - H336, Aquatic Chronic 3 - H412: Calculation method.

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**SDS number** 22452

**Hazard statements in full**

- H220 Extremely flammable gas.
- H222 Extremely flammable aerosol.
- H225 Highly 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.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.