

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

RubberCover Bonding Adhesive BA-2016 S-TF Aerosol

**Product no.**

-

**REACH registration number**

Not applicable

**Unique formula identifier (UFI)**

-

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

**Relevant identified uses of the substance or mixture**

Adhesive

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

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

**Company and address**

Firestone Building Products Europe

Ikaroslaan 75

1930 Zaventem

Belgium

Tel. : +32 2 711 44 50

**Contact person**

-

**E-mail**

firestonemsds@bfdp.com

**SDS date**

2018-12-10

**SDS Version**

2.0

### 1.4. Emergency telephone number

In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department or the NHS enquiry service.

See section 4 "First aid measures".

## SECTION 2: Hazards identification

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

The mixture is classified according to Regulation (EC) No. 1272/2008 (CLP) as:

Aerosol 1; H222, H229

Skin Irrit. 2; H315

Eye Irrit. 2; H319

STOT SE 3; H336

Aquatic Chronic 2; H411

See full text of H-phrases in section 2.2.

### 2.2. Label elements

Label elements according to Regulation (EC) No. 1272/2008 (CLP):

## Hazard pictogram(s)



## Signal word

Danger

## Hazard statement(s)

Extremely flammable aerosol. (H222)  
Pressurised container: May burst if heated. (H229)  
Causes skin irritation. (H315)  
Causes serious eye irritation. (H319)  
May cause drowsiness or dizziness. (H336)  
Toxic to aquatic life with long lasting effects. (H411)

## Precautionary statements

General -

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210).  
Do not pierce or burn, even after use. (P251).

Response

Wear protective gloves/protective clothing/eye protection/face protection. (P280).  
IF ON SKIN: Wash with plenty of water. (P302+P352).  
IF INHALED: Remove person to fresh air and keep comfortable for breathing. (P304+P340).  
If skin irritation occurs: Get medical advice/attention. (P332+P313).  
Call a POISON CENTER/doctor if you feel unwell. (P312).

Storage

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).  
Store in a well-ventilated place. Keep container tightly closed. (P403+P233).  
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. (P410+P412).

Disposal

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

## Identity of the substances primarily responsible for the major health hazards

Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%, Acetone

## 2.3. Other hazards

This product contains substances that may cause adverse effects to the reproductive system.  
This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.  
Be aware of that formation of explosive Air/vapor mixtures is possible.  
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.

## Additional labelling

Repeated exposure may cause skin dryness or cracking. (EUH066)

## Additional warnings

Not applicable

## VOC (volatile organic compound)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1/3.2. Substances/Mixtures

NAME:	dimethyl ether
IDENTIFICATION NOS.:	CAS-no: 115-10-6 EC-no: 204-065-8 REACH-no: 01-2119472128-37-xxxx Index-no: 603-019-00-8
CONTENT:	30-60%
CLP CLASSIFICATION:	Comp. Gas, Flam. Gas 1 H220, H280 S L
NOTE:	

According to EC-Regulation 2015/830

NAME:	Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%
IDENTIFICATION NOS.:	CAS-no: 92128-66-0 EC-no: 921-024-6 REACH-no: 01-2119475514-35-xxxx
CONTENT:	20-30%
CLP CLASSIFICATION:	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2 H225, H304, H315, H336, H411
NAME:	Acetone
IDENTIFICATION NOS.:	CAS-no: 67-64-1 EC-no: 200-662-2 REACH-no: 01-2119471330-49-xxxx Index-no: 606-001-00-8
CONTENT:	10-25%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336, EUH066
NOTE:	S L
NAME:	Butanone, ethyl methyl ketone
IDENTIFICATION NOS.:	CAS-no: 78-93-3 EC-no: 201-159-0 REACH-no: 01-2119457290-43-xxxx Index-no: 606-002-00-3
CONTENT:	1-5%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336, EUH066
NOTE:	S L
NAME:	n-hexane
IDENTIFICATION NOS.:	CAS-no: 110-54-3 EC-no: 203-777-6 REACH-no: 01-2119480412-44-xxxx Index-no: 601-037-00-0
CONTENT:	< 3%
CLP CLASSIFICATION:	Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Repr. 2, STOT RE 2, Aquatic Chronic 2 H225, H304, H315, H336, H361f, H373, H411
NOTE:	S L

(\*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.  
S = Organic solvent L = European occupational exposure limit.

### Other information

Eye Cat. 2 Sum =  $\sum(Ci/S(G)CLi) = 2,384 - 3,576$   
Skin Cat. 2 Sum =  $\sum(Ci/S(G)CLi) = 2,552 - 3,828$   
N chronic (CAT 2) Sum =  $\sum(Ci/(M(\text{chronic})^{*25})^{*0.1} \cdot 10^{\wedge}CATi) = 1,0208 - 1,5312$

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In the case of accident: Contact a doctor or casualty department or call NHS 111 – take the label or this safety data sheet with you. NHS professionals can contact The National Poisons Information Service (dial 0344 892 0111, 24 h service).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Bring the person into fresh air and stay with him/her.

#### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

#### Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

#### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

#### Burns

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

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

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an

According to EC-Regulation 2015/830

increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned: Get immediate medical advice/attention.

##### Information to medics

Bring this safety data sheet.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

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

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

Avoid inhalation of vapours from spilled material. Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

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

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid static electricity.

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection.

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

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

#### Storage temperature

Store in a cool, well-ventilated area.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### ▼ OEL

n-hexane

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

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

Butanone, ethyl methyl ketone

Long-term exposure limit (8-hour TWA reference period): 200 ppm | 600 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 300 ppm | 899 mg/m<sup>3</sup>

Comments: Sk; BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin. )

Acetone

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

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

Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%

Long-term exposure limit (8-hour TWA reference period): 500 ppm | 1800 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): - ppm | - mg/m<sup>3</sup>

Comments: Hexane, all isomers except n-hexane

dimethyl ether

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

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

#### ▼ DNEL / PNEC

DNEL (dimethyl ether): 1894 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (dimethyl ether): 471 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%): 773 mg/kg bw/d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%): 608 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%): 699 mg/kg bw./d

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%): 699 mg/kg bw/d

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%): 2035 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Acetone): 1210 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Acetone): 2420 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (Acetone): 186 mg/kg/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Acetone): 200 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (Acetone): 62 mg/kg/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - General population

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DNEL (Acetone): 62 mg/kg/day  
Exposure: Oral  
Duration of Exposure: Long term – Systemic effects - General population

PNEC (dimethyl ether): 0,155 mg/l  
Exposure: Freshwater

PNEC (dimethyl ether): 1,549 mg/l  
Exposure: Intermittent release

PNEC (dimethyl ether): 0,016 mg/l  
Exposure: Marine water

PNEC (dimethyl ether): 0,681 mg/kg  
Exposure: Freshwater sediment

PNEC (dimethyl ether): 0,069 mg/kg  
Exposure: Marine water sediment

PNEC (dimethyl ether): 160 mg/l  
Exposure: Sewage Treatment Plant

PNEC (dimethyl ether): 0.045 mg/kg  
Exposure: Soil

PNEC (Acetone): 10,6 mg/l  
Exposure: Freshwater

PNEC (Acetone): 1,06 mg/l  
Exposure: Marine water

PNEC (Acetone): 21 mg/l  
Exposure: Intermittent release

PNEC (Acetone): 29,5 mg/l  
Exposure: Soil

PNEC (Acetone): 3,04 mg/kg  
Exposure: Marine water sediment

PNEC (Acetone): 30,4 mg/kg  
Exposure: Freshwater sediment

## 8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

### General recommendations

Observe general occupational hygiene standards.

### Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

### Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

### Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

### Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

### Measures to avoid environmental exposure

Keep containment materials near the workplace. If possible, collect spillage during work.

According to EC-Regulation 2015/830

## Individual protection measures, such as personal protective equipment



### Generally

Use only CE marked protective equipment.

### ▼ Respiratory Equipment

If there is a risk of inhalation of the product wear respiratory protection equipment

Recommended: A. Class 3 (High capacity). Brown

### Skin protection

Dedicated work clothing should be worn.

### Hand protection

If skin exposure is possible wear protective gloves.

Nitrile rubber

Breakthrough time: > 480 minutes (Class 6)

### Eye protection

Wear safety glasses with side shields.

## SECTION 9: Physical and chemical properties

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

Form	Aerosol
Colour	Green
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	> 20.5 mm <sup>2</sup> /s
Density (g/cm <sup>3</sup> )	0,84

### Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	62-100
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

### Data on fire and explosion hazards

Flash point (°C)	-35
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	0,6 - 1,3
Explosive properties	No data available.

### Solubility

Solubility in water	Insoluble
n-octanol/water coefficient	No data available.

### 9.2. Other information

Solubility in fat (g/L)	No data available.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

### 10.3. Possibility of hazardous reactions

Nothing special

### 10.4. Conditions to avoid

Avoid static electricity.

According to EC-Regulation 2015/830

## 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

## 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Substance: n-hexane  
Species: Rabbit  
Test: LD50  
Route of exposure: Dermal  
Result: 3350 mg/kg (Read across data)

Substance: n-hexane  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: > 5000 ppm, (vapour)

Substance: n-hexane  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 16000 mg/kg

Substance: Butanone, ethyl methyl ketone  
Species: Rabbit  
Test: LD50  
Route of exposure: Dermal  
Result: 5000 mg/kg

Substance: Butanone, ethyl methyl ketone  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: 20 mg/l/4h

Substance: Butanone, ethyl methyl ketone  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 2737 mg/kg

Substance: Acetone  
Species: Rabbit  
Test: LD50  
Route of exposure: Dermal  
Result: >15800 mg/kg

Substance: Acetone  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation  
Result: 76 mg/l (4 h)

Substance: Acetone  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 5800 mg/kg

Substance: Acetone  
Species: Mouse  
Test: LC50  
Route of exposure: Inhalation  
Result: 44000 mg/m<sup>3</sup> (4 h)

Substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
Species: Rat  
Test: LC50  
Route of exposure: Inhalation



According to EC-Regulation 2015/830

Result: > 25,2 mg/l (4 h) (vapour)

Substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
Species: Rat  
Test: LD50  
Route of exposure: Dermal  
Result: 2800 mg/kg bw

Substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
Species: Rat  
Test: LD50  
Route of exposure: Oral  
Result: 5840 mg/kg bw

Substance: dimethyl ether  
Species: Rabbit  
Test: LC50  
Route of exposure: Inhalation  
Result: 164000 ppm (gases)

### **Skin corrosion/irritation**

Causes skin irritation.

Data on substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
Irritation Parameter: erythema score  
Organism: Rabbit  
Duration of Exposure: 4 h  
Result: (1) Very slight erythema -barely perceptible

Data on substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
Irritation Parameter: overall irritation score  
Organism: Rabbit  
Duration of Exposure: 4 h  
Result: (0,67) Irritating

### **▼ Serious eye damage/irritation**

Causes serious eye irritation.

### **Respiratory or skin sensitisation**

No data available.

### **Germ cell mutagenicity**

No data available.

### **Carcinogenicity**

No data available.

### **Reproductive toxicity**

No data available.

### **STOT-single exposure**

May cause drowsiness or dizziness.

### **STOT-repeated exposure**

No data available.

### **Aspiration hazard**

No data available.

### **Long term effects**

Reproductive toxicity: This product contains reprotoxic substances, which may harm the reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

## SECTION 12: Ecological information

### ▼12.1. Toxicity

Substance: n-hexane  
Species: Fish  
Test: LC50  
Duration: 96h  
Result: 113 mg/l

Substance: n-hexane  
Species: Daphnia  
Test: EC50  
Duration: 48h  
Result: 2,1 mg/l

Substance: n-hexane  
Species: Algae  
Test: EC50  
Duration: 48h  
Result: 114 mg/l

Substance: Butanone, ethyl methyl ketone  
Species: Fish  
Test: LC50  
Duration: 96 h  
Result: > 2500 mg/l

Substance: Butanone, ethyl methyl ketone  
Species: Daphnia  
Test: EC50  
Duration: 48 h  
Result: > 5000 mg/l

Substance: Acetone  
Species: Fish  
Test: LC50  
Duration: 96 h.  
Result: > 100 mg/l

Substance: Acetone  
Species: Daphnia  
Test: EC50  
Duration: 48 h.  
Result: 8300 mg/l

Substance: Acetone  
Species: Algae  
Test: IC50  
Duration: 72 h.  
Result: > 100 mg/l

Substance: Acetone  
Species: Daphnia  
Test: NOEC  
Duration: 28 days  
Result: 10-100 mg/l

Substance: Acetone  
Species: Fish  
Test: LC50  
Duration: 96 h.  
Result: 4,74 mg/l

Substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
Species: Daphnia  
Test: EC50  
Duration: 48 h  
Result: 3 mg/l

Substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
Species: Aquatic plants  
Test: EC50  
Duration: 72 h  
Result: 10-30 mg/l

According to EC-Regulation 2015/830

Substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
 Species: Fish  
 Test: NOEC  
 Duration: 28 days  
 Result: 2,045 mg/l

Substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
 Species: Daphnia  
 Test: NOEC  
 Duration: 21 days  
 Result: 0,17 mg/l

Substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
 Species: Daphnia  
 Test: LOEC  
 Duration: 21 days  
 Result: 0,32 mg/l

Substance: Hydrocarbons, C6-C7, N-alkanes, Isoalkanes, Cyclics < 5%  
 Species: Daphnia  
 Test: EC50  
 Duration: 21 days  
 Result: 0,23 mg/l

Substance: dimethyl ether  
 Species: Fish  
 Test: LC50  
 Duration: 96 h  
 Result: > 4100 mg/l

Substance: dimethyl ether  
 Species: Daphnia  
 Test: EC50  
 Duration: 48 h  
 Result: > 4400 mg/l

Substance: dimethyl ether  
 Species: Fish  
 Test: NOEC  
 Duration: 96 h  
 Result: ≥ 4100 mg/l

Substance: dimethyl ether  
 Species: Daphnia  
 Test: NOEC  
 Duration: 48 h  
 Result: ≥ 4400 mg/l

### ▼ 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
n-hexane	Yes	No data available	98% (28 d)
Acetone	Yes	No data available	No data available
Hydrocarbons, C6-C7, N-alkanes...	Yes	No data available	98% (28 days)
dimethyl ether	No	No data available	No data available

### ▼ 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
n-hexane	No	4	501
Acetone	No	-0,24	No data available
Hydrocarbons, C6-C7, N-alkanes...	No	No data available	No data available
dimethyl ether	No	0,07	No data available

### ▼ 12.4. Mobility in soil

n-hexane : Log Koc= 3,34 (Moderate mobility potential).  
 Acetone: Log Koc= -0,111656, Calculated from LogPow (Moderate mobility potential).  
 dimethyl ether: Log Koc= 0,133833, Calculated from LogPow (High mobility potential).

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### 12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

According to EC-Regulation 2015/830

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

#### Waste

EWC code

08 04 09\*

waste adhesives and sealants containing organic solvents or other dangerous substances

#### Specific labelling

Not applicable

#### Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

## SECTION 14: Transport information

### 14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

#### ADR/RID

14.1. UN number	1950
14.2. UN proper shipping name	AEROSOLS, Flammable
14.3. Transport hazard class(es)	2.1
14.4. Packing group	-
Notes	5F
Tunnel restriction code	D

#### IMDG

UN-no.	1950
Proper Shipping Name	AEROSOLS, Flammable
Class	2.1
PG*	-
EmS	F-D, S-U
MP**	yes
Hazardous constituent	-

#### IATA/ICAO

UN-no.	1950
Proper Shipping Name	AEROSOLS, Flammable
Class	2.1
PG*	-

### ▼14.5. Environmental hazards

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

### 14.6. Special precautions for user

-

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

No data available

(\*) Packing group

(\*\*) Marine pollutant

## SECTION 15: Regulatory information

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

#### Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

According to EC-Regulation 2015/830

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

#### **Demands for specific education**

-

#### **Additional information**

Not applicable

#### **Seveso**

Seveso III Part 1: P3a, E2

#### **Sources**

Council Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

Regulation (EC) 1907/2006 (REACH).

The Control of Major Accident Hazards (COMAH) Regulations 2015.

#### **15.2. Chemical safety assessment**

No

### **SECTION 16: Other information**

#### **Full text of H-phrases as mentioned in section 3**

H220 - Extremely flammable gas.

H225 - Highly flammable liquid and vapour.

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.

H336 - May cause drowsiness or dizziness.

H373 - May cause damage to organs through prolonged or repeated exposure<sup>a</sup>.

H411 - Toxic to aquatic life with long lasting effects.

H361f - Suspected of damaging fertility.

EUH066 - Repeated exposure may cause skin dryness or cracking.

#### **The full text of identified uses as mentioned in section 1**

-

#### **Additional label elements**



#### **Other**

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of physical hazards has been based on experimental data.

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

According to EC-Regulation 2015/830

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

**The safety data sheet is validated by**

pipe/CHYMEIA

**Date of last essential change  
(First cipher in SDS version)**

2018-11-20(1.0)

**Date of last minor change  
(Last cipher in SDS version)**

2018-11-20

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