

# SAFETY DATA SHEET

## Excel Industries Fusetite

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

#### 1.1. Product identifier

Product name Excel Industries Fusetite

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

Identified uses PVC Cement

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

Supplier Excel Industries  
Coolmine Industrial Estate  
Clonsilla Road  
Dublin 15

Tel: 00 353 1811 8701

Fax: 00 353 1811 8785

#### 1.4. Emergency telephone number

Emergency telephone Excel Industries: 00 353 1811 8701 (Mon-Fri: 09:00-17:00)

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

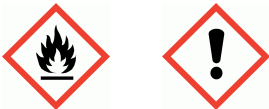
Physical hazards Flam. Liq. 2 - H225

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

Environmental hazards Not Classified

#### 2.2. Label elements

##### Pictogram



Signal word Danger

Hazard statements  
H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
EUH208 Contains EPOXY RESIN (Number average MW <= 700 ). May produce an allergic reaction.

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<b>Precautionary statements</b>	<p>P102 Keep out of reach of children.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Contains</b>	BUTANONE
<b>Supplementary precautionary statements</b>	<p>P240 Ground/ bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTER/ doctor if you feel unwell.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p>

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. In use may form flammable/explosive vapour-air mixture.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>BUTANONE</b>		<b>60-100%</b>
CAS number: 78-93-3	EC number: 201-159-0	REACH registration number: 01-2119457290-43
<b>Classification</b>		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
<b>CYCLOHEXANONE</b>		<b>5-10%</b>
CAS number: 108-94-1	EC number: 203-631-1	REACH registration number: 01-2119453616-35-0000
<b>Classification</b>		
Flam. Liq. 3 - H226		
Acute Tox. 4 - H332		

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<b>EPOXY RESIN (Number average MW &lt;= 700 )</b>	<b>&lt;1%</b>
CAS number: 25068-38-6	EC number: 500-033-5
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Remove affected person from source of contamination.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
<b>Skin contact</b>	Remove from skin with paper or towel. Wash skin thoroughly 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. Show this Safety Data Sheet to the medical personnel.

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

<b>General information</b>	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
<b>Inhalation</b>	There may be a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing.
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
<b>Skin contact</b>	There may be irritation and redness at the site of contact
<b>Eye contact</b>	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

#### 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>	Water spray, dry powder or carbon dioxide.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> . The product is flammable.
<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

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**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

**Personal precautions** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent escape of liquid. Avoid inhalation of vapours and contact with skin and eyes. No smoking, sparks, flames or other sources of ignition near spillage.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Contain the spillage using bunding.

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

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

#### 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** Read and follow manufacturer's recommendations. Provide adequate ventilation. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Avoid inhalation of vapours and spray/mists. Avoid spilling. Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product.

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

**Storage precautions** Store in tightly-closed, original container in a well-ventilated place. Keep away from heat, sparks and open flame. Take precautionary measures against static discharges.

**Storage class** Flammable liquid storage.

#### 7.3. Specific end use(s)

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

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **BUTANONE**

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

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

##### **CYCLOHEXANONE**

Long-term exposure limit (8-hour TWA): WEL 10 ppm(Sk)

Short-term exposure limit (15-minute): WEL 20 ppm(Sk)

WEL = Workplace Exposure Limit

#### **BUTANONE (CAS: 78-93-3)**

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<b>DNEL</b>	<p>Consumer - Oral; Long term systemic effects: 31 mg/kg/day</p> <p>Consumer - Dermal; Long term systemic effects: 412 mg/kg/day</p> <p>Consumer - Inhalation; Long term systemic effects: 106 mg/m<sup>3</sup></p> <p>Industry - Inhalation; Long term systemic effects: 600 mg/m<sup>3</sup></p>
<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; Long term 55.8 mg/l</li> <li>- Marine water; Long term 55.8 mg/l</li> <li>- Intermittent release; Intermittent release 55.8 mg/l</li> <li>- STP; Long term 709 mg/l</li> <li>- Sediment; Long term 284.7 mg/kg</li> <li>- Soil; Long term 22.5 mg/kg</li> </ul>

### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>Personal protection</b>	Wear protective work clothing.
<b>Eye/face protection</b>	Wear tight-fitting, chemical splash goggles or face shield.
<b>Hand protection</b>	To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The breakthrough time for any glove material may be different for different glove manufacturers. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact. Wear suitable gloves if prolonged or repeated skin contact is likely
<b>Hygiene measures</b>	Do not eat, drink or smoke when using this product.
<b>Respiratory protection</b>	If exposure limits are likely to be exceeded, use a full face mask fitted with an organic filter for short term exposures. For long term or high level exposures, or when spraying, compressed airline breathing apparatus should be used.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use. 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>	Viscous liquid.
<b>Colour</b>	Colourless to pale yellow.
<b>Odour</b>	Ketonic.
<b>Flash point</b>	-4°C
<b>Relative density</b>	0.92 @ °C
<b>Solubility(ies)</b>	Immiscible with water.
<b>Viscosity</b>	~20000 mPa s @ 20°C

### 9.2. Other information

<b>Other information</b>	Not available.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 800 g/l.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** Stable under recommended transport or storage conditions.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** No known hazardous reactions if stored under normal conditions. Will not polymerise.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat.

#### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Strong acids.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

##### Acute toxicity - dermal

##### Acute toxicity - inhalation

##### **General information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

##### **Inhalation**

Vapours may irritate throat/respiratory system. Symptoms following overexposure may include the following: Headache. Dizziness. Drowsiness. There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Vapours may cause drowsiness and dizziness.

##### **Ingestion**

May cause soreness and redness of mouth and throat. Ingestion may cause similar symptoms to that of inhalation.

##### **Skin contact**

Repeated exposure may cause skin dryness or cracking. The product contains a small amount of sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.

##### **Eye contact**

Irritating to eyes.

##### **Acute and chronic health hazards**

Irritating to eyes. May cause sensitisation by skin contact.

##### **Route of entry**

Inhalation Ingestion.

##### **Target organs**

Central nervous system Eyes

##### **Medical symptoms**

Irritation of eyes and mucous membranes. Narcotic effect. Drowsiness. Dizziness.

#### Toxicological information on ingredients.

### BUTANONE

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**Toxicological effects** The toxicity of this substance has been assessed during REACH registration. Vapour is irritating to eyes and respiratory tract, may cause systemic effects: narcosis, headaches. Liquid is severely irritating to eyes, irritating to skin, and may cause dermatitis due to defatting. Ingestion may cause sore throat, nausea, diarrhoea.

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rat

### Acute toxicity - dermal

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

**Species** Rabbit

### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 5,000.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 5,000.0

**Skin contact** Prolonged contact may cause dryness of the skin.

**Eye contact** Irritation of eyes and mucous membranes.

## CYCLOHEXANONE

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

### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 8,000.0

**Species** Rat

**ATE inhalation (gases ppm)** 4,500.0

**ATE inhalation (vapours mg/l)** 11.0

**ATE inhalation (dusts/mists mg/l)** 1.5

## SECTION 12: Ecological Information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Toxicity** Not regarded as dangerous for the environment

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### Ecological information on ingredients.

#### BUTANONE

<b>Toxicity</b>	Low toxicity to fish
<b>Acute toxicity - fish</b>	LC50, 96 hours: 2993 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 308 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 96 hours: 2029 mg/l, Freshwater algae
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , 96 hours: > 50 mg/l, Activated sludge

### 12.2. Persistence and degradability

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

### Ecological information on ingredients.

#### BUTANONE

<b>Persistence and degradability</b>	The product is biodegradable.
<b>Phototransformation</b>	Water - Degradation (%) 98: 28 days

### 12.3. Bioaccumulative potential

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

### Ecological information on ingredients.

#### BUTANONE

**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.

#### BUTANONE

**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 substance is not identified as a PBT substance.

### 12.6. Other adverse effects

**Other adverse effects** Not known.

**Ozone depletion potential**

**Global warming potential (GWP)**



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>Disposal methods</b>	Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Waste class</b>	Solvent Based Adhesives: 080409

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	1133
UN No. (IMDG)	1133
UN No. (ICAO)	1133

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ADHESIVES
Proper shipping name (IMDG)	ADHESIVES
Proper shipping name (ICAO)	ADHESIVES
Proper shipping name (ADN)	ADHESIVES

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

ADR/RID class	3
ADR/RID label	3
IMDG class	3
ICAO class/division	3

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

#### 14.6. Special precautions for user

EmS	F-E, S-D
Tunnel restriction code	(D/E)

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

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended). Health and Safety at Work etc. Act 1974 (as amended).
<b>EU legislation</b>	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 (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40.
<b>Authorisations (Title VII Regulation 1907/2006)</b>	No specific authorisations are known for this product.
<b>Restrictions (Title VIII Regulation 1907/2006)</b>	No specific restrictions on use are known for this product.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Flam. Liq. 2 - H225: Weight of evidence. Eye Irrit. 2 - H319: Calculation method. STOT SE 3 - H336: Calculation method.
<b>Issued by</b>	Technical Service Manager
<b>Revision date</b>	25/05/2017
<b>Revision</b>	3
<b>Supersedes date</b>	09/09/2014
<b>SDS number</b>	10762
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. EUH208 Contains EPOXY RESIN (Number average MW <= 700 ). May produce an allergic reaction.

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.