

## Section 1: Identification of the mixture and of the company

- 1.1 Product identifier:**  
Product name 600ml Paste Adhesive  
REACH registration number 01-2119463273-410000  
0765 UFI: CP32-20QF-500C-F7Y5  
0766 UFI: 7S32-K0DU-F00U-3KJ7
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Identified uses: Adhesive.  
Uses advised against: No specific uses advised against are identified.
- 1.3 Details of the Supplier of the Safety Data Sheet:**  
Supplier: Obex Protection Ltd  
Unit 12,  
Horn Hill Road,  
Nunnery Park  
Nunnery Way  
Worcester  
WR4 0SX  
Tel (including for emergencies): 01905 337800  
(Mon-Fri 7am-5pm)  
Fax: 01905 337186  
Email: sales@obexuk.com

## 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:**  
Aquatic Chronic 2 - H411
- Classification:**  
(67/548/EEC or F;R11. N;R51/53. R67.  
1999/45/EC)

### 2.2 Label elements:

**Flammable****Irritant****Corrosive**

#### Hazard statements:

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long-lasting effects.

#### Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 IF exposed or concerned: Get medical advice/ attention.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains:** ETHYL ACETATE, CYCLOHEXANE

#### Supplementary precautionary statements:

P240 Ground/ bond container and receiving equipment.  
P241 Use explosion-proof electrical equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing vapour/ spray.  
P264 Wash contaminated skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/ doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/ attention. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P391 Collect spillage.

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.

### 2.3 Other hazards:

## Section 3: Composition/information on ingredients

### 3.2 Mixtures

<b>ETHYLACETATE</b>	10-30%
CAS number: 141-78-6	REACH registration number: 01-2119475103-46-0017
EC number: 205-500-4	
<b>Classification</b>	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F;R11 Xi;R36 R66 R67
Eye Irrit. 2	H319
STOT SE 3	H336
<b>CYCLOHEXANE</b>	5-10%
CAS number: 110-82-7	REACH registration number: 01-2119463273-41-0000
EC number: 203-806-2	
<b>M factor</b>	(Acute) = 1 (Chronic) = 1
<b>Classification</b>	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F;R11 Xn;R65 Xi;R38 R67 N;R50/53
Acute Tox. 4	H312
Skin Irrit. 2	H315
STOT SE 3	H336
Asp. Tox. 1	H304

## Section 4: First-aid measures

### 4.1 Description of first-aid measures

#### General information:

Get medical attention if any discomfort continues.

#### Inhalation:

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.

#### Ingestion:

Rinse mouth thoroughly with water. Get medical attention.

#### Skin contact:

Remove contaminated clothing immediately and wash skin with soap and water.

#### Eye contact:

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 immediately.

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

#### General information:

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

#### Inhalation:

Vapours may cause headache, fatigue, dizziness and nausea.

#### Ingestion:

May cause discomfort if swallowed.  
May cause stomach pain or vomiting.

#### Skin contact:

Prolonged skin contact may cause redness and irritation. Eye contact: May cause temporary eye irritation.

**4.3 Indication of any immediate medical attention and special treatment needed:****Notes for the doctor:**

No specific recommendations. If in doubt, get medical attention promptly.

## Section 5: Firefighting measures

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**5.1 Extinguishing media:****Suitable extinguishing media:**

Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

Do not use water jet as an extinguisher, as this will spread the fire.

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

The product is flammable. Heating may generate flammable vapours. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>.

The product is highly flammable.

**Hazardous combustion:**

Does not decompose when used and stored as recommended.

**5.3 Advice for firefighters****Protective actions:**

Control run-off water by containing and keeping it out of sewers and during firefighting watercourses. Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.

**Special protective:**

Wear chemical protective suit. equipment for firefighters

## Section 6: Accidental release measure

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**6.1 Personal precautions, protective equipment and emergency procedures:**

Personal precautions: Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2 Environmental precautions:**

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground.

**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.

**6.4 Reference to other sections:**

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

## Section 7: Handling and storage

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**7.1 Precautions for safe handling:**

**Usage precautions:** Usage precautions: Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

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

**Storage precautions:** Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the original container.

**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 control and personal protection

### 8.1 Control parameters occupational exposure limits: Occupational exposure limits

#### ETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm

Short-term exposure limit (15-minute): WEL 400 ppm

#### CYCLOHEXANE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 350 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 300 ppm 1050 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

#### Ingredient comments

WEL = Workplace Exposure Limits

#### ETHYL ACETATE (CAS: 141-78-6)

##### DNEL

Workers - Inhalation;

Short term systemic effects: 1468 mg/m<sup>3</sup>

Workers - Inhalation;

Short term local effects: 1468 mg/m<sup>3</sup>

Consumer - Inhalation;

Short term systemic effects: 734 mg/m<sup>3</sup>

Consumer - Inhalation;

Short term local effects: 374 mg/m<sup>3</sup>

Workers - Inhalation;

Long term local effects: 734 mg/m<sup>3</sup>

Workers - Dermal;

Long term systemic effects: 63 mg/kg bw/day

Workers - Inhalation;

Long term systemic effects: 734 mg/m<sup>3</sup>

Consumer - Dermal;

Long term systemic effects: 37 mg/kg bw/day

Consumer - Inhalation;

Long term systemic effects: 367 mg/m<sup>3</sup>

Consumer - Oral;

Long term systemic effects: 4.5 mg/kg bw/day

Consumer - Inhalation;

Long term local effects: 367 mg/m<sup>3</sup>

##### PNEC

Fresh water; 0.26 mg/l

Marine water; 0.026 mg/l

Intermittent release; 1.65 mg/l

Sediment (Freshwater); 1.25 mg/kg

Sediment (Marinewater); 0.125 mg/kg

Soil; 0.24 mg/kg

STP; 650 mg/l

##### CYCLOHEXANE (CAS: 110-82-7)

##### DNEL

Consumer - Oral;

Long term systemic effects: 59.4 mg/kg bw/day

Consumer - Dermal;

Long term systemic effects: 1186 mg/kg bw/day

Workers - Dermal;

Long term systemic effects: 2016 mg/kg bw/day

Consumer - Inhalation;

Short term local effects: 412 mg/m<sup>3</sup>

Consumer - Inhalation;

Short term systemic effects: 412 mg/m<sup>3</sup>

Workers - Inhalation;

Short term local effects: 700 mg/m<sup>3</sup>

Workers - Inhalation;

Short term systemic effects: 700 mg/m<sup>3</sup>

Consumer - Inhalation;

Long term local effects: 206 mg/m<sup>3</sup>

Workers - Inhalation;

Long term local effects: 700 mg/m<sup>3</sup>

Consumer - Inhalation;

Long term systemic effects: 206 mg/m<sup>3</sup>

Workers - Inhalation;

Long term systemic effects: 700 mg/m<sup>3</sup>

##### PNEC

Fresh water; 0.207 mg/l

Sediment (Freshwater); 3.627 mg/kg

STP; 3.24 mg/l

Soil; 2.99 mg/kg

### 8.2 Exposure controls

Protective equipment



**Appropriate engineering:**

Provide adequate ventilation. Avoid inhalation of vapours. Observe any controls occupational exposure limits for the product or ingredients.

**Eye/face protection:**

The following protection should be worn: Chemical splash goggles.

**Hand protection:**

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended

**Other skin and body:**

Wear appropriate clothing to prevent any possibility of liquid contact and protection repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

**Hygiene measures:**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash contaminated clothing before reuse. Wash hands after handling. Eating, smoking and water fountains prohibited in immediate work area.

**Respiratory protection:**

In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Wear a respirator fitted with the following cartridge: Gas filter, type AX.

**Environmental exposure controls:**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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

Coloured liquid

**Colour**

Various colours

**Odour**

Characteristic

**Odour threshold**

Not available

**pH**

Not available

**Melting point**

Not available

**Initial boiling point and range**

Not available

**Evaporation rate**

Not determined

**Evaporation factor**

Not available

**Upper/lower flammability or explosive limits**

Not available

**Other flammability**

Not available

**Vapour pressure**

Not available

**Vapour density**

Not available

**Relative density**

1.30

**Bulk density**

Not available

**Solubility(ies)**

Not available

**Partition coefficient**

Not available

**Auto-ignition temperature**

Not available

**Decomposition Temperature**

Not available

**Viscosity**Kinematic viscosity > 20.5 mm<sup>2</sup>/s**Explosive properties**

Not available

**Explosive under the influence of a flame**

Not considered to be explosive.

**Oxidising properties**

Not available

**Comments**

Information given is applicable to the product as supplied

**9.2 Other information:**

No information required.

Refractive index: Not available.

Particle size: Not available.

Molecular weight: Not available.

Volatility: Not available.

Saturation concentration: Not available.

Critical temperature: Not available.

Volatile organic compound: This product contains a maximum VOC content of 263 g/l.

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

There are no known reactivity hazards associated with this product.

**10.2 Chemical stability:**

No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

**10.3 Possibility of hazardous reactions:**

Not applicable. Not relevant.

**10.4 Conditions to avoid:**

Avoid heat, flames and other sources of ignition.

**10.5 Incompatible materials:****Materials to avoid:**

Strong oxidising agents. Strong acids. Strong alkalis.

**10.6 Hazardous decomposition products:**

Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

**Section 11: Toxicological information****11.1 Information on toxicological effects****ETHYL ACETATE**

Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg): 4,100.0**Species: Mouse**

ATE oral (mg/kg): 4,100.0

Acute toxicity: dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg): 20,000.0**Species: Rabbit**

ATE dermal (mg/kg): 20,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l): 30.0**Species: Rat**

ATE inhalation (vapours mg/l): 30.0

**CYCLOHEXANE**

Acute toxicity: oral

Acute toxicity oral (LD<sub>50</sub> mg/kg): 5,000.0**Species: Rat**

ATE oral (mg/kg): 5,000.0

Acute toxicity: dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg): 2,000.0**Species: Rabbit**

ATE dermal (mg/kg): 2,000.0

## Section 12: Ecological information

### 12.1 Toxicity

#### ETHYL ACETATE

Acute toxicity - fish: EC<sub>50</sub>, 48 hours: 610 mg/l, Algae

LC<sub>50</sub>, 96 hours: 230 mg/l, Algae

Acute toxicity - aquatic invertebrates: EC<sub>50</sub>, 48 hours: 11.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants: EC<sub>50</sub>, 48 hours: 5600 mg/l, Fish

#### CYCLOHEXANE

Acute aquatic toxicity LE(C)<sub>50</sub>: 0.1 < L(E)C50 ≤ 1 M factor (Acute): 1

Acute toxicity - fish: LC<sub>0</sub>, 96 hours: 4.53 mg/l, Pimephales promelas

(Fat-head Minnow)

Acute toxicity - aquatic invertebrates: EC<sub>0</sub>, 48 hours: 0.9 mg/l, Daphnia magna

Acute toxicity - aquatic plants: IC<sub>0</sub>, 72 hours: 3.4 mg/l, Fish

Acute toxicity - Microorganisms: EC<sub>50</sub>, 20 hours: 29 mg/l, Bacteria Chronic aquatic toxicity - M factor (Chronic): 1

### 12.2 Persistence and degradability

### 12.3 Bioaccumulative potential:

Partition coefficient: Not available.

#### ETHYL ACETATE

Bio accumulative potential: BCF: 30, Partition coefficient: Not available.

#### CYCLOHEXANE

Bio accumulative potential: BCF: 167,

### 12.4 Mobility in soil:

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

#### ETHYL ACETATE

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

### 12.5 Results of PBT and vPvB assessment:

This product does not contain any substances classified as PBT or vPvB.

#### ETHYL ACETATE

### Results of PBT and vPvB assessment:

This product does not contain any substances classified as PBT or vPvB.

### 12.6 Other adverse effects:

None known.

#### ETHYL ACETATE

Other adverse effects: Not known.

## Section 13: Disposal consideration

### 13.1 Waste treatment methods:

#### General information:

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

#### Disposal methods:

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## Section 14: Transport information

### 14.1 UN number:

UN No. (ADR/RID): 1133

UN No. (IMDG): 1133

UN No. (ICAO): 1133

UN No. (ADN): 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 classification code: F1

ADR/RID label: 3

IMDG class: 3

ICAO class/division: 3

ADN class: 3

#### Transport labels



#### 14.4 Packing group:

ADR/RID packing group: II

IMDG packing group: II

ADN packing group: II

ICAO packing group: II

#### 14.5 Environmental hazards:

Environmentally hazardous substance/marine pollutant



#### 14.6 Special precautions for user:

EmS: F-E, S-D

ADR transport category: 2

Emergency Action Code: 3YE

Hazard Identification Number: 33 (ADR/RID)

Tunnel restriction code: (D/E)

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

### Section 15: Regulatory information

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

##### National regulations:

Health and Safety at Work etc. Act 1974 (as amended).

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Control of Substances Hazardous to Health Regulations 2002 (as amended).

#### EU legislation:

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.

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).

#### 15.2 Chemical safety assessment:

No chemical safety assessment has been carried out.

### Section 16: Other information

Issued by: Compliance

Revision date: 28/04/2019

Revision: 22

#### 16.2 Hazard statements in full

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long-lasting effects.

H411 Toxic to aquatic life with long-lasting effects.

#### Store Between:

Store Between 5°C - 25°C

#### Contains SVHC:

NO

Last Revision: 21/03/2019