

**SECTION 1**

**IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product form: Mixture  
Product name: Dual Action Patio Sealant  
Product code: Polymers  
Product group: Blend

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

**1.2.1. Relevant identified uses**

Intended for general public  
Main use category: Consumer use, Professional use

**1.2.2. Uses advised against**

No additional information available

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

**Manufacturer**

Twistfx LTD  
KKM Buildings, Old Reservoir Road, Farlington,  
Portsmouth, Hampshire PO6 1SU.  
sales@twistfx.co.uk - www.twistfx.co.uk

**1.4. Emergency telephone number**

Emergency number : +44 (0)345 123 6007

**SECTION 2**

**HAZARDS IDENTIFICATION**

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

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Not classified

**Adverse physicochemical, human health and environmental effects**

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

**2.2. Label elements**

Labelling according to Regulation (EC) No. 1272/2008 [CLP]  
No labelling applicable.

**2.3. Other hazards**

No additional information available

**SECTION 4**

**FIRST AID MEASURES**

**4.1. Description of first aid measures**

**First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation:** Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. Specific treatment is urgent (see supplemental first aid instruction on this label).

**First-aid measures after skin contact:** Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Wash with plenty of water/...Take off immediately all contaminated clothing.

**First-aid measures after eye contact :** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Immediately call a POISON CENTER/doctor. Specific treatment (see supplemental first aid instruction on this label).

**First-aid measures after ingestion :** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. Specific treatment (see supplemental first aid instruction on this label).

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

**Symptoms/effects:** Not expected to present a significant hazard under anticipated conditions of normal use.

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

Treat symptomatically.

**SECTION 3**

**COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances**

Not applicable

**3.2. Mixtures**

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

## SECTION 5

### FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media:** Water spray, Dry powder, Foam, Carbon dioxide, Sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

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

**Hazardous decomposition products in case of fire:** Toxic fumes may be released.

#### 5.3. Advice for firefighters

**Firefighting instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

**Protection during firefighting:** Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6

### ACCIDENTAL RELEASE MEASURES

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

##### 6.1.1. For non-emergency personnel

**Emergency procedures:** Ventilate spillage area. Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

**Protective equipment:** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.

**Emergency procedures:** Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

**Methods for cleaning up:** Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

**Other information:** Dispose of materials or solid residues at an authorized site

#### 6.4. Reference to other sections

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

## SECTION 7

### HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

**Precautions for safe handling:** Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

**Hygiene measures:** Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

**Storage conditions :** Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

**Incompatible products:** Strong bases. Strong acids.

**Incompatible materials:** Sources of ignition. Direct sunlight.

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

No additional information available.

## SECTION 8

### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

**Appropriate engineering controls:** Ensure good ventilation of the work station.

**Personal protective equipment:** Avoid all unnecessary exposure.

**Hand protection:** Wear protective gloves.

**Eye protection:** Chemical goggles or safety glasses

**Skin and body protection:** Wear suitable protective clothing

**Respiratory protection:** Wear appropriate mask

#### Personal protective equipment symbol(s):



#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

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### SECTION 9

### PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state :	Liquid
Appearance :	milky.
Colour :	white.
Odour :	characteristic.
Odour threshold :	No data available
pH :	6.5 – 7.5
Relative evaporation rate (butylacetate=1) :	No data available
Melting point :	Not applicable
Freezing point :	No data available
Boiling point :	No data available
Flash point :	No data available
Auto-ignition temperature :	No data available
Decomposition temperature :	No data available

Flammability (solid, gas) :	N/A, Non flammable.
Vapour pressure :	No data available
Relative vapour density at 20 °C :	No data available
Relative density :	0.95 – 1.05
Solubility :	No data available
Partition coefficient n-octanol/water (Log Pow) :	No data available
Viscosity, kinematic :	No data available
Viscosity, dynamic :	No data available
Explosive properties :	No data available
Oxidising properties :	No data available
Explosive limits :	No data available

#### 9.2. Other information

No additional information available

### SECTION 10

### STABILITY AND REACTIVITY

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.  
Not established.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.  
Not established.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).  
Direct sunlight.  
Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.  
Fume.  
Carbon monoxide.  
Carbon dioxide.

### SECTION 11

### TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

Acute toxicity (oral) :	Not classified*
Acute toxicity (dermal) :	Not classified*
Acute toxicity (inhalation) :	Not classified*
Skin corrosion/irritation :	Not classified* pH: 6.5 – 7.5
Serious eye damage/irritation :	Not classified* pH: 6.5 – 7.5
Respiratory or skin sensitisation :	Not classified*
Germ cell mutagenicity :	Not classified*
Carcinogenicity :	Not classified*
Reproductive toxicity :	Not classified*
STOT-single exposure :	Not classified*
STOT-repeated exposure :	Not classified*
Aspiration hazard :	Not classified*
Potential adverse human health effects and symptoms :	Not classified*

#### \*Additional information:

Based on available data, the classification criteria are not met

**SECTION 12 ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Ecology - general:** The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

**Hazardous to the aquatic environment, short-term (acute):** Not classified

**Hazardous to the aquatic environment, long-term (chronic):** Not classified

**12.2. Persistence and degradability**

**Persistence and degradability:** Not established.

**12.3. Bioaccumulative potential:** Not established.

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

**Additional information:** Avoid release to the environment.

**SECTION 13 DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

**Waste treatment methods:** Dispose of contents/container in accordance with licensed collector's sorting instructions.

**Product/Packaging disposal recommendations :** Dispose in a safe manner in accordance with local/national regulations.

**Ecology - waste materials :** Avoid release to the environment.

**SECTION 14 TOXICOLOGICAL INFORMATION**

In accordance with ADR / RID / IMDG / IATA / ADN

	<b>ADR</b>	<b>IMDG</b>
<b>14.1. UN number</b>	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>	Not regulated	Not regulated
<b>14.4. Packing group</b>	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>	Not regulated	Not regulated

No supplementary information available

**14.6. Special precautions for user**

**Overland transport** Not applicable

**Transport by sea** Not applicable

**14.7. Transport in bulk according to Annex II of Marpol & the IBC Code**

Not applicable

**SECTION 15 REGULATORY INFORMATION**

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

**15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

**15.1.2. National regulations**

No additional information available

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

**SECTION 16****OTHER INFORMATION****Abbreviations and acronyms:**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

**Data sources:**

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.

**Other information:** None.

**SDS EU (REACH Annex II)** The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information provided is designed only as guidance for safe use, processing, handling, storage, transport, release and disposal. It is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for use in combination with any other materials or in any process, unless specified in this safety data sheet.