

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.04.2018

Version number 2

Revision: 19.06.2016

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

- **1.1 Product identifier**
- **Trade name:** TRITON PROFESSIONAL FIX
- **Article number:** A-438
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Product category** PC1 Adhesives, sealants
- **Application of the substance / the mixture**
Construction chemicals
Fast-drying contact adhesive
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Molding Creator Ltd
29 Stockport Road sw16 5xe London
moldingcreator@gmail.com
sales@moldingcreator.co.uk
+442082652356
- **Further information obtainable from:** moldingcreator@gmail.com
- **1.4 Emergency telephone number:** European emergency number: 112 (24h)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Carc. 2 H351 Suspected of causing cancer.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07



GHS08

- **Signal word** Danger
- **Hazard-determining components of labelling:**
diphenylmethanediisocyanate, isomers and homologues
methylenediphenyl diisocyanate

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.04.2018

Version number 2

Revision: 19.06.2016

Trade name: TRITON PROFESSIONAL FIX

(Contd. of page 1)

• Hazard statements

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H317 May cause an allergic skin reaction.
- H351 Suspected of causing cancer.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.

• Precautionary statements

- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P285 In case of inadequate ventilation wear respiratory protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• Additional information:

- Persons already sensitised to diisocyanates may develop allergic reactions when using this product.
- Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.
- This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.
- EUH204 Contains isocyanates. May produce an allergic reaction.

• 2.3 Other hazards

• Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

• 3.2 Chemical characterisation: Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.

• Dangerous components:

| | | |
|---|---|------|
| CAS: 9016-87-9 EC number: 618-498-9 | diphenylmethanediisocyanate, isomers and homologues ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | <20% |
| CAS: 1244733-77-4 EC number: 911-815-4 Reg.nr.: 01-2119486772-26-0004 | tris(2-chloro-1-methylethyl)phosphate ⚠ Acute Tox. 4, H302 | <5% |
| CAS: 1305-78-8 EINECS: 215-138-9 | Calcium oxide ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335 | <3% |
| CAS: 26447-40-5 EINECS: 247-714-0 Reg.nr.: 01-2119457015-45-XXXX | methylenediphenyl diisocyanate ⚠ Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 | <5% |
| EC number: 907-495-0 Reg.nr.: 01-2119545465-35-XXXX | Reaction mass of Octadecanamide, 12-hydroxy-N-[2-[(1-oxodecyl) amino]ethyl]- and N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and Decanamide, N,N'-1,2-ethanediylbis- Aquatic Chronic 3, H412 | <2% |
| CAS: 6425-39-4 Reg.nr.: 01-2119969278-20-0001 | 2,2-dimorpholinodiethylether ⚠ Eye Irrit. 2, H319 | <1% |

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

GB

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.04.2018

Version number 2

Revision: 19.06.2016

Trade name: TRITON PROFESSIONAL FIX

(Contd. of page 2)

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:

Take affected persons out of danger area and lay down.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

If symptoms persist consult doctor.

A person vomiting while laying on their back should be turned onto their side.

Do not induce vomiting; call for medical help immediately.

· 4.2 Most important symptoms and effects, both acute and delayed

No data available.

· 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment (detoxification, maintenance of vital functions), no specific antidote is known. To prevent pulmonary oedema from severe exposure: corticosteroid containing dosing aerosol.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:

Foam.

Fire-extinguishing powder.

Carbon dioxide.

Water spray.

Use fire extinguishing methods suitable to surrounding conditions.

· For safety reasons unsuitable extinguishing agents:

Water with full jet.

· 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Nitrogen oxides (NO_x).

Carbon monoxide (CO).

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Hydrogen cyanide (HCN)

Isocyanates

· 5.3 Advice for firefighters

· Protective equipment:

Wear fully protective suit.

· Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Keep people at a distance and stay on the windward side.

Wear protective clothing.

Use respiratory protective device against the effects of fumes / dust / aerosol.

Ensure adequate ventilation.

· 6.2 Environmental precautions:

Do not allow to enter sewers / surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.04.2018

Version number 2

Revision: 19.06.2016

Trade name: TRITON PROFESSIONAL FIX

See Section 13 for disposal information.

(Contd. of page 3)

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Provide good ventilation.
- Avoid contact with respiratory system, skin and eyes. See also section 8.
- At work do not eat, drink or smoke.
- Protect from moisture.
- Ensure good ventilation / exhaustion at the workplace.
- Prevent formation of aerosols.

- **Information about fire - and explosion protection:** No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

- Store only in the original receptacle.
- Keep away from water and moisture.

Information about storage in one common storage facility:

- Store away from water.
- Store away from foodstuffs.

- **Further information about storage conditions:** Keep container tightly sealed.

- **7.3 Specific end use(s)** No data available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

| | |
|-----|---|
| WEL | Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO |
|-----|---|

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

- Do not eat, drink, smoke or sniff while working.
- Do not breathe vapours.
- Exposure for pregnant women must be strictly avoided.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed.

Filter A/P2

People suffering from respiratory tract and skin hypersensitivity (asthma, chronic bronchitis and chronic skin disease) should avoid contact with the product.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product / the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

Butyl rubber, BR

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.04.2018

Version number 2

Revision: 19.06.2016

Trade name: TRITON PROFESSIONAL FIX

(Contd. of page 4)

Chloroprene rubber, CR
EN 374.

Nitrile rubber.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

>30 min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**

EN 166



Tightly sealed goggles

· **Body protection:**

Protective work clothing.

Work shoes.

CE cat. II; CEN: EN 340

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Paste

Colour: Beige

· **Odour:** Product specific

· **Odour threshold:** Not determined

· **pH-value:** Not determined

· **Change in condition**

Melting point/freezing point: Not determined

Initial boiling point and boiling range: Not determined

· **Flash point:** Not applicable

· **Flammability (solid, gas):** Not applicable

· **Decomposition temperature:** Not determined

· **Auto-ignition temperature:** Product is not selfigniting

· **Explosive properties:** Product does not present an explosion hazard

· **Explosion limits:**

Lower: Not determined

Upper: Not determined

· **Vapour pressure:** Not determined

· **Density at 21 °C:** 1,47 - 1,57 g/cm³

· **Relative density** Not determined

· **Vapour density** Not determined

· **Evaporation rate** Not determined

· **Solubility in / Miscibility with water:**

Reacts with water

· **Partition coefficient: n-octanol/water:** Not determined

· **Viscosity:**

Dynamic: Not determined

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.04.2018

Version number 2

Revision: 19.06.2016

Trade name: TRITON PROFESSIONAL FIX

(Contd. of page 5)

| | |
|------------------------------|---|
| Kinematic: | Not determined |
| 9.2 Other information | No further relevant information available |

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
No hazardous reactions if the regulations / notes for storage and handling of the product will be respected.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
The product produces carbon dioxide in reaction with water. Risk of burst in closed containers due to increased pressure.
- **10.4 Conditions to avoid**
Avoid moisture from the air - release of CO₂, in closed containers an increase in pressure, danger of bursting containers.
- **10.5 Incompatible materials:**
Strongly reacts with water and other substances containing an active hydrogen atom.
Strong acids and bases.
Amines, alcohols and water
- **10.6 Hazardous decomposition products:**
Hazardous decomposition products are not known if the regulations/ guidelines for storage and handling of the product are followed.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

| | | |
|--------|------|-----------------------|
| Oral | LD50 | >10000 mg/kg (rat) |
| Dermal | LD50 | >10000 mg/kg (rabbit) |

CAS: 26447-40-5 methylenediphenyl diisocyanate

| | | |
|------------|------|------------------------------|
| Oral | LD50 | > 2.000 mg/kg mg/kg (rat) |
| Dermal | LD50 | > 9.400 mg/kg mg/kg (rabbit) |
| Inhalative | LC50 | > 2.24 mg/l/1h mg/l (rat) |

CAS: 6425-39-4 2,2-dimorpholinodiethylether

| | | |
|--------|------|---------------------|
| Oral | LD50 | 2025 mg/kg (rat) |
| Dermal | LD50 | 3038 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
- **Sensitisation** Sensitizing mixture.
- **Repeated dose toxicity** Repeated inhalation of even small doses can cause damage to lungs.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity**
Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**
May cause respiratory irritation.
- **STOT-repeated exposure**
May cause damage to organs through prolonged or repeated exposure.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.04.2018

Version number 2

Revision: 19.06.2016

Trade name: TRITON PROFESSIONAL FIX

(Contd. of page 6)

- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

| | |
|------|--|
| EC50 | 1640 mg/kg (algae) >500 mg/kg (daphnia) |
| LC50 | >1000 mg/l (fish) |

CAS: 26447-40-5 methylenediphenyl diisocyanate

| | |
|------|--|
| EC50 | >1.640 mg/l/72h mg/kg (algae) >1.000 mg/l/24h mg/kg (daphnia) |
| LC50 | >1.000 mg/l/96h mg/l (fish) |

CAS: 6425-39-4 2,2-dimorpholinodiethylether

| | |
|---------------|--|
| EC50 (static) | >1000 mg/kg (bacteria) >100 mg/kg (daphnia) |
| LC50 (static) | 2150 mg/l (fish) |

Reaction mass of Octadecanamide, 12-hydroxy-N-[2-[(1-oxodecyl) amino]ethyl]- and N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan-1-amide) and Decanamide, N,N'-1,2-ethanediylbis-

| | |
|------|--|
| EC50 | 43.2 mg/kg (algae) 94.6 mg/kg (daphnia) |
| LC50 | >100 mg/l (fish) |

- **12.2 Persistence and degradability** No data.
- **12.3 Bioaccumulative potential** No data available.
- **12.4 Mobility in soil** No data available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Remove in accordance with applicable legislation.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Packaging may be reused or recycled after cleaning.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Not applicable
- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Not applicable

(Contd. on page 8)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.04.2018

Version number 2

Revision: 19.06.2016

Trade name: TRITON PROFESSIONAL FIX

(Contd. of page 7)

| | |
|---|--|
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Not applicable |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | Not applicable |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: | No. |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user | Not applicable. |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · Transport/Additional information: | Not classified as dangerous under transport regulations. |
| <ul style="list-style-type: none"> · UN "Model Regulation": | Not applicable |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 56
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
- **Recommended restriction of use** Information in the appropriate technical data sheet of product.
- **Department issuing SDS:** Product safety department.
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.04.2018

Version number 2

Revision: 19.06.2016

Trade name: TRITON PROFESSIONAL FIX

(Contd. of page 8)

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

GB