

MATERIAL SAFETY DATA SHEET

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

1.1. Product identifier

Product name: TruTite 616 Thread Sealant

Contains: Methacrylic acid, monoester with propane-1,2-diol
and Cumene hydroperoxide

1.2. Relevant identified uses of the substance or mixture and uses advised against mixtures intended use:

For professional use only

1.2.1. Relevant identified uses Use of the substance/mixture:

Anaerobic sealant

1.3. Details of the supplier of the safety data sheet

Supplier: Plumbing and Heating Distribution Ltd (PHD Ltd)

2 Penrod Way, Heysham, LA3 2UZ

Telephone: +44 1524 965100

Responsibility statement: For further information please contact with following
e-mail address, sales@phd.ltd

1.4. Emergency telephone number United Kingdom: 999

MATERIAL SAFETY DATA SHEET

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008 [CLP]

Skin irritation	Category 2 (H315)
Skin sensitisation:	Category 1 (H317)
Serious eye damage/eye irritation:	Category 2 (H319)
Specific target organ toxicity – Single exposure	Category 3 (H335)

Most serious adverse effects on human health and the environment

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause respiratory irritation.

2.2. Label elements

Hazard pictogram[s]



Warning

Signal word: Warning

Hazardous substances

Methacrylic acid, monoester with propane-1,2-diol, Bisphenol A, ethoxylated, dimethacrylate a, a-dimethylbenzyl hydroperoxide

MATERIAL SAFETY DATA SHEET

Hazard statements

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Precautionary statements

P261	Avoid breathing mist/vapours/spray
P264	Wash hands and exposed parts of the body thoroughly after handling
P280	Wear eye protection/protective gloves/protective clothing
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P362+P364	Take off contaminated clothing and wash it before reuse

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components

2.3. Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

MATERIAL SAFETY DATA SHEET

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Name	CAS No. EC No.	Wt%	Classification according to regulation (EC) No. 1272/2008 [CLP]
Methacrylic acid monoester with propane-1,2-diol	27813-02-1 248-666-3	60.0 - 80.0	Skin Sens. 1- H317 Eye Dam. 2- H319
Bisphenol A, ethoxylated, dimethacrylate	41637-38-1 609-946-4	15.0 - 30.0	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 STOT SE 3, H335
A, a- dimethylbenzyl hydroperoxide	80-15-9 201-254-7 Index: 617-002-00-8	1.0 - 2.0	Org. Perox. E, H242 Acute Tox. 4, H302+H312 Skin Corr. 1B, H314 Acute Tox. 3, H331 STOT RE 2 (**), H373 Aquatic Chronic 2, H411 Specific concentration limit: Skin Irrit. 2, H315: 3 % ≤ C < 10 % Eye Irrit. 2, H319: 1 % ≤ C < 3 % STOT SE 3, H335: C < 10 % Eye Dam. 1, H318: 3 % ≤ C < 10 % Skin Corr. 1B, H314: C ≥ 10 %

Notes

** another exposure route cannot be ruled out

Full text of all classifications and hazard statements is given in the section 16

MATERIAL SAFETY DATA SHEET

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show them information from this safety data sheet. If unconscious, put the person in the stabilised (recovery) position on their side with their head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by themselves, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately
Cardiac arrest - provide indirect cardiac massage immediately

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against any cold weather. Provide medical treatment if irritation, dyspnoea or other symptoms persist

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed) remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialised if possible

If swallowed

Rinse out the mouth with water and provide 0.2-0.5 L of water. Provide medical treatment if the person has any health problems

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

If inhaled

May cause respiratory irritation

If on skin

May cause an allergic skin reaction

If in eyes

Causes serious eye irritation

If swallowed

Irritation, nausea

MATERIAL SAFETY DATA SHEET

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents

MATERIAL SAFETY DATA SHEET

6.4. Reference to other sections

See the Section 7, 8 and 13

Section 7: Handling and storage

7.1. Precautions for safe handling

Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well-ventilated areas designated for this purpose. Store locked up. Keep container tightly closed

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set

8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest

Eye/face protection

Protective goggles

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly

Glove Material	Thickness	Breakthrough Time	Class
Neoprene [CR]	≥ 0.7mm	>30min	2

MATERIAL SAFETY DATA SHEET

Respiratory protection

Half mask with a filter against organic vapours in the poorly ventilated environment

Thermal hazard

Not available

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Values
Physical State	Liquid/ Paste
Colour	Yellow
Odour	Characteristic
Melting point/ freezing point	Data not available
Boiling point or initial boiling point and boiling range	149°C
Flammability	Data not available
Lower and upper explosion limit	Data not available
Flash point	>100°
Auto- ignition temperature	Data not available
Decomposition temperature	Data not available
pH	Data not available
Kinematic viscosity	Data not available
Solubility in water	Data not available
Partition coefficient n-octanol/ water [log value]	Data not available
Vapour pressure	Data not available
Density and/ or relative density	Data not available
Relative vapour density	Data not available
Particle characteristic	Data not available

9.2. Other information

Not available

MATERIAL SAFETY DATA SHEET

SECTION 10: Stability and reactivity

10.1. Reactivity

Not available

10.2. Chemical stability

The product is stable under normal conditions

10.3. Possibility of hazardous reactions

Unknown

10.4. Conditions to avoid

The product is stable, and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost

10.5. Incompatible materials

Protect against strong acids, bases and oxidising agents

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data is available for the mixture

Acute toxicity

Based on the available data, the criteria for classification of the mixture are not met.

Data for the components of the mixture are not available

Route of exposure	Parameter	Value	Exposure Time	Species	Sex	Value Determination
Oral	ATE	35714 mg/kg				Calculation of value
Dermal	ATE	78571 mg/kg				Calculation of value
Inhalation (dust/mist)	ATE	35.71 mg/l				Calculation of value

MATERIAL SAFETY DATA SHEET

Skin corrosion/irritation

Causes skin irritation. Data for the components of the mixture are not available

Serious eye damage/irritation

Causes serious eye irritation. Data for the components of the mixture are not available

Respiratory or skin sensitisation

May cause an allergic skin reaction. Data for the components of the mixture are not available

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met

Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met

Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met

Toxicity for specific target organ - single exposure

May cause respiratory irritation. Data for the components of the mixture are not available

Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met

11.2. Information on other hazards

Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met.
Does not contain any components that may cause endocrine disruption for humans

Other information

not available

MATERIAL SAFETY DATA SHEET

SECTION 12: Ecological information

12.1. Toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met

12.2. Persistence and degradability

No data are available for either the mixture or the components

12.3. Bioaccumulative potential

No data are available for either the mixture or the components

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met.
Does not contain any PMT or vPvM components

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met.
Does not contain any PBT or vPvB components

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met.
Does not contain any components that may cause endocrine disruption in the environment

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/ or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialist company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended

MATERIAL SAFETY DATA SHEET

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

Regulation [EC] No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals [REACH], establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation [EEC] No. 793/93 and Commission Regulation [EC] No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION [EC] No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation [EU] 2020/878 of 18 June 2020 amending Annex II to Regulation [EC] No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals [REACH]

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H242	Heating may cause a fire
H302+H312	Harmful if swallowed or in contact with skin
H314	Causes severe skin burns and eye
H315	damage Causes skin irritation

MATERIAL SAFETY DATA SHEET

H318	May cause an allergic skin reaction
H319	Causes serious eye damage
H331	Causes serious eye irritation
H335	Toxic if inhaled
H373	May cause respiratory irritation
H411	May cause damage to organs through prolonged or repeated exposure Toxic to aquatic life with long lasting effects

Guidelines for safe handling used in the safety data sheet

P261	Avoid breathing mist/vapours/spray
P264	Wash hands and exposed parts of the body thoroughly after handling
P280	Wear eye protection/protective gloves/protective clothing
P333+P313	If skin irritation or rash occurs: Get medical advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention
P362+P364	Take off contaminated clothing and wash it before reuse

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations

Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	Agreement concerning the international carriage of dangerous goods by road
Aquatic	Hazardous to the aquatic environment [chronic]
Chronic ATE	Acute toxicity estimate
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation [EC] No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EU	European Union
EuPCS	European Product Categorisation System
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
IATA	International Air Transport Association
IBC	International Code for the construction and equipment of ships carrying dangerous chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry

MATERIAL SAFETY DATA SHEET

OEL	Octanol-water partition coefficient
Org. Perox.	Occupational Exposure Limits
PBT	Organic peroxide
PMT	Persistent, bioaccumulative and toxic
Ppm	Persistent, mobile and toxic
REACH	Parts per million
RID	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
UN number	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

(REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available – information from registration dossiers

More information

Classification procedure - calculation method

TRU TITE™

616

Thread Sealant

MATERIAL SAFETY DATA SHEET

Composer of Safety Data Sheet

Plumbing and Heating Distribution Ltd
2 Penrod Way
LA3 2UZ
sales@phd.ltd
+441524 965100

Disclaimer

Plumbing and Heating Ltd, shall not be held liable for any damage resulting from handling or from contact with the above product. The information of this MSDS is based on the present state of our knowledge and meets the requirements of UK/EU and national laws. The user's working conditions, however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed on how to do the work, the hazardous properties and necessary safety precautions. The information given in this MSDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties