



CP2224 v1.2 RS 918-6901

**SAFETY DATA SHEET**RS PRO ANAEROBIC THREADLOCKER  
HIGH STRENGTH

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Revision No: 5

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** RS PRO ANAEROBIC THREADLOCKER HIGH STRENGTH**Index number:** CP 2224**Product code:** 918-6901**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Anaerobic threadlocker based on (meth)acrylates.**1.3. Details of the supplier of the safety data sheet****Company name:** RS Components Ltd

Birchington Road

Corby

Northants

NN17 9RS

United Kingdom

RS Components Ltd

Glenview Industrial Estate

Herberton Road

Rialto

Dublin 12

**Tel:** +44 (0) 845 850 9900**Tel:** +353 (0) 1 415 3100**Email:** RCustomerServicesUK@rs-components.com**Email:** enquiries.ie@rs-components.com**1.4. Emergency telephone number****Emergency tel:** +44 1865 407333 (24hr)**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317**Most important adverse effects:** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.  
May cause respiratory irritation.**2.2. Label elements****Label elements:****Hazard statements:** \* H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

**Hazard pictograms:** GHS07: Exclamation mark

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**Signal words:** Warning**Precautionary statements:** P261: Avoid breathing vapours.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves/protective clothing/eye protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

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

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

**2.3. Other hazards****PBT:** This product is not identified as a PBT/vPvB substance.**Section 3: Composition/information on ingredients****3.2. Mixtures****Hazardous ingredients:**

TRIETHYLENEGLYCOL DIMETHACRYLATE - REACH registered number(s): 01-2119969287-21-...

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-652-6	109-16-0	-	Skin Sens. 1B: H317	>50%

HYDROXYPROPYL METHACRYLATE - REACH registered number(s): 01-2119490226-37-...

248-666-3	27813-02-1	-	Eye Irrit. 2: H319; Skin Sens. 1: H317	1-10%
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ACRYLIC ACID - REACH registered number(s): 01-2119452449-31-...

201-177-9	79-10-7	-	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Acute 1: H400	1-10%
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CUMENE HYDROPEROXIDE - REACH registered number(s): 01-211947596-19-...

201-254-7	80-15-9	-	Org. Perox. EF: H242; Acute Tox. 3: H331; Acute Tox. 4: H312; Acute Tox. 4: H302; STOT RE 2: H373; Skin Corr. 1B: H314; Aquatic Chronic 2: H411	1-10%
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1-ACETYL-2-PHENYLHYDRAZINE

204-055-3	114-83-0	-	Acute Tox. 3: H301; Skin Irrit. 2: H315; STOT SE 3: H335; Eye Irrit. 2: H319; Skin Sens. 1: H317	0.1-1%
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N,N-BIS-(2-HYDROXYETHYL)-P-TOLUIDINE - REACH registered number(s): 01-2119979579-10-

N/A	103671-44-9	-	Acute Tox. 4: H302; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 1: H318; Aquatic Chronic 3: H412	0.1-1%
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N,N-DIMETHYL-P-TOLUIDINE - REACH registered number(s): 01-2119937766-23-...

202-805-4	99-97-8	-	Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT RE 2: H373; Aquatic Chronic 3: H412	<0.1%
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#### Section 4: First aid measures

##### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

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

**Skin contact:** There may be irritation and redness at the site of contact. An itchy rash may occur at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

#### Section 5: Fire-fighting measures

##### 5.1. Extinguishing media

**Extinguishing media:** Dry chemical powder. Alcohol resistant foam. Carbon dioxide. Do not use water. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

##### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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#### 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. Evacuate the area immediately. Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

##### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

##### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

#### Section 7: Handling and storage

##### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** \* Store in a cool, well ventilated area. Keep away from direct sunlight. Keep away from sources of ignition. Keep container tightly closed. IMPORTANT - if stored in bulk, must be kept in contact with air to aid stabilisation.

**Suitable packaging:** Must only be kept in original packaging.

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

**Specific end use(s):** No data available.

#### Section 8: Exposure controls/personal protection

##### 8.1. Control parameters

**Hazardous ingredients:**

**ACRYLIC ACID**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	30 mg/m <sup>3</sup>	60 mg/m <sup>3</sup>	-	-

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**DNEL/PNEC Values****DNEL / PNEC** No data available.**8.2. Exposure controls****Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in section 7 of SDS are in place.**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141). Self-contained breathing apparatus must be available in case of emergency.**Hand protection:** Neoprene gloves. Nitrile gloves. Do not use PVC gloves, as they absorb (meth)acrylates.**Eye protection:** Safety glasses. Ensure eye bath is to hand.**Skin protection:** Protective clothing.**Section 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****State:** Liquid**Colour:** Pale green**Odour:** Characteristic odour**Evaporation rate:** Negligible**Oxidising:** Non-oxidising (by EC criteria)**Solubility in water:** Insoluble**Also soluble in:** Acetone.**Viscosity:** Non-viscous**Kinematic viscosity:** ~10cPs**Viscosity test method:** Rotational viscometer**Boiling point/range°C:** >200**Melting point/range°C:** No data available.**Flammability limits %: lower:** Not applicable.**upper:** Not applicable.**Flash point°C:** >100**Part.coeff. n-octanol/water:** No data available.**Autoflammability°C:** No data available.**Vapour pressure:** ~0.1mmHg @20oC**Relative density:** ~1.07**pH:** ~5**VOC g/l:** No data available.**9.2. Other information****Other information:** No data available.**Section 10: Stability and reactivity****10.1. Reactivity****Reactivity:** Stable under recommended transport or storage conditions.**10.2. Chemical stability****Chemical stability:** \* Stable under normal conditions. Presence of air is important to keep formulatory inhibitors active and so aid stability.

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**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** \* Hazardous reactions will not occur under normal transport or storage conditions.  
Polymerisation may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat. Sources of ignition. Direct sunlight.

**10.5. Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids. Copper. Free-radical initiators.

**10.6. Hazardous decomposition products**

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.

**Section 11: Toxicological information****11.1. Information on toxicological effects**

**Hazardous ingredients:**

**HYDROXYPROPYL METHACRYLATE**

ORL	MUS	LD50	7964	mg/kg
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**ACRYLIC ACID**

IPR	RAT	LD50	22	mg/kg
ORL	MUS	LD50	830	mg/kg
ORL	RAT	LD50	1250	mg/kg
SCU	MUS	LD50	1590	mg/kg

**CUMENE HYDROPEROXIDE**

ORL	MUS	LDLO	5	gm/kg
ORL	RAT	LD50	382	mg/kg
SCU	RAT	LD50	382	mg/kg
VAPOURS	RAT	4H LC50	220	ppmV

**1-ACETYL-2-PHENYLHYDRAZINE**

ORL	MUS	LD50	270	mg/kg
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**N,N-BIS-(2-HYDROXYETHYL)-P-TOLUIDINE**

ORAL	-	OECD No.401	619	mg/kg
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**N,N-DIMETHYL-P-TOLUIDINE**

IPR	MUS	LD50	212	mg/kg
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**Relevant hazards for product:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** There may be irritation and redness at the site of contact. An itchy rash may occur at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Section 12: Ecological information****12.1. Toxicity****Hazardous ingredients:****TRIETHYLENEGLYCOL DIMETHACRYLATE**

ALGAE	48H EC50	>100	mg/l
FISH	96H LC50	16.4	mg/l

**HYDROXYPROPYL METHACRYLATE**

FISH	96H LC50	>100	mg/l
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**CUMENE HYDROPEROXIDE**

FISH	96H LC50	3.9	mg/l
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**N,N-BIS-(2-HYDROXYETHYL)-P-TOLUIDINE**

ALGAE	48H EC50	>100	mg/l
CRUSTACEA	48H EC50	48	mg/l
FISH	96H LC50	>100	mg/l

**12.2. Persistence and degradability**

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

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**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** Bioaccumulation potential is low.

**12.4. Mobility in soil**

**Mobility:** No data available.

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

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations****13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**Waste code number:** 08 04 09

**Disposal of packaging:** Dispose of as normal industrial waste.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information****Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H226: Flammable liquid and vapour.

H242: Heating may cause a fire.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

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H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H373: May cause damage to organs ({{{0|||message=<or state all organs affected, if known>|||filter=(\_)?ORGAN\_.+}}}) through prolonged or repeated exposure ({{{1|||message=<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>|||filter=(\_)?EXP\_ROUTE\_.+}}}).

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. RS Components Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.