

**ABRO Blue Removable Threadlock**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) &amp; 2020/878

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name	ABRO Blue Removable Threadlock
Product code	TL-342
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.

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

Identified Use(s)	Not known.
Uses Advised Against	Not known.

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

Manufacturer	
Company Identification	ABRO Industries Inc
Address of Manufacturer	3580 Blackthorn Court South Bend USA
Postal code	46628
Telephone:	+1 574-232-8289
Fax	Not known.
E-mail	abro@abro.com
Office hours	
Supplier	
Company Identification	Granville Oil & Chemicals Ltd
Address of Supplier	29 Goldthorpe Ind. Est., Goldthorpe, Rotherham, South Yorkshire,
Postal code	S63 9BL
Telephone:	+44 (0)1709 890099
Fax	Not known.
E-mail	lab@granvilleoil.com
Office hours	08:00 - 17:00
<b>1.4 Emergency telephone number</b>	
Emergency Phone No.	+44 111
Contact	NHS Direct

**SECTION 2: HAZARDS IDENTIFICATION**

**ABRO Blue Removable Threadlock****2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP) Skin Irrit. 2 :Causes skin irritation.  
Skin Sens. 1 :May cause an allergic skin reaction.  
Eye Irrit. 2 :Causes serious eye irritation.  
STOT SE 3 :May cause respiratory irritation.  
Aquatic Chronic 3 :Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

According to Regulation (EC) No. 1272/2008 (CLP)  
Product Name ABRO Blue Removable Threadlock

Hazard Pictogram(s)



GHS07

Signal Word(s) Warning

Hazard Statement(s)  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)  
P102: Keep out of reach of children.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash hands and exposed skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
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/face protection.

**2.3 Other hazards**

None known.

**2.4 Additional Information**

For full text of H/P Statements see section 16.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable.

**3.2 Mixtures**



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HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Poly(oxy-1,2-ethanediyl), $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2-methyl-1-oxo-2-propen-1-yl)oxy]-	25852-47-5	607-819-8	50-100	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 STOT SE 3 H335 Aquatic Chronic 3 H412	GHS07
Oleic acid, ethoxylated	9004-96-0	500-015-7	25-50	Eye Irrit. 2 H319	GHS07
methacrylic acid, monoester with propane-1,2-diol	27813-02-1	248-666-3	2.5 - 10	Skin Sens. 1 H317 Eye Irrit. 2 H319	GHS07
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide cumene hydroperoxide	80-15-9	201-254-7	0.1 - 1	Org. Perox. E H242 Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Corr. 1B H314 Acute Tox. 3 H331 STOT RE 2 H373 Aquatic Chronic 2 H411	GHS02 GHS06 GHS05 GHS08 GHS07 GHS09

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
$\alpha$ , $\alpha$ -dimethylbenzyl hydroperoxide cumene hydroperoxide	80-15-9	Skin Corr. 1B	C $\geq$ 10.00 <= 100.00	Acute Tox. 4 (H302) : 500.000 Acute Tox. 4 (H312) : 1100.000 Acute Tox. 3 (H331) : 3.000
		Skin Irrit. 2	C $\geq$ 3.00 < 10.00	
		Eye Dam. 1	C $\geq$ 3.00 < 10.00	
		Eye Irrit. 2	C $\geq$ 1.00 < 3.00	
		STOT SE 3	C $\geq$ 0.00 < 10.00	

Contains no non-classified vPvB substances or substances with a Union workplace exposure limit.  
For full text of H/P Statements see section 16.

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

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Skin Contact	Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label).
Eye Contact	Continue to wash the affected area for at least 15 minutes. Get medical attention.
Ingestion	Do NOT induce vomiting. Get medical attention.

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

May cause irritation. Allergic contact dermatitis.

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

Specific treatment (see Medical Advice on this label). Call a POISON CENTER/doctor if you feel unwell. Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable Extinguishing media	Extinguish preferably with foam, carbon dioxide or dry chemical.
Unsuitable extinguishing media	None.

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

May decompose in a fire, giving off toxic and irritant vapours.

**5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Ensure full personal protection (including respiratory protection) during removal of spillages.

**6.2 Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**6.3 Methods and material for containment and cleaning up**

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

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

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Storage temperature	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Storage life	Ambient.
Incompatible materials	Stable under normal conditions.
<b>7.3 Specific end use(s)</b>	None known.
	Not known.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection Normally no personal respiratory protection is necessary.



Thermal hazards None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Physical state	Liquid.
Colour	Blue.
Odour	Characteristic.
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	Not known.
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	93° C
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.

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pH	Not known.
Kinematic Viscosity	Not known.
Solubility	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Density (g/ml) : 1.1
Relative vapour density	Not known.
Particle characteristics	Not known.
<b>9.2 Other information</b>	None.

**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

None anticipated.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

None anticipated.

**10.5 Incompatible materials**

Not known.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity - Ingestion	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 50000.00000
Acute toxicity - Skin Contact	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 110000.00000
Acute toxicity - Inhalation	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 300.00000
Skin corrosion/irritation	Calculation method : Causes skin irritation.
Serious eye damage/irritation	Calculation method : Causes serious eye irritation.
Skin sensitization data	Calculation method : May cause an allergic skin reaction.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.

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Reproductive toxicity

Calculation method : Not classified.

Lactation

Calculation method : Not classified.

STOT - single exposure

Calculation method : May cause respiratory irritation.

STOT - repeated exposure

Calculation method : Not classified.

Aspiration hazard

Calculation method : Not classified.

**11.2 Information on other hazards**

Not known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Harmful to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates

Not known.

Toxicity - Fish

Not known.

Toxicity - Algae

Not known.

Toxicity - Sediment Compartment

Not classified.

Toxicity - Terrestrial Compartment

Not classified.

**12.2 Persistence and degradability**

Not known.

**12.3 Bioaccumulative potential**

Not known.

**12.4 Mobility in soil**

Not known.

**12.5 Results of PBT and vPvB assessment**

Not known.

**12.6 Endocrine disrupting properties**

None known.

**12.7 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION****Not classified as hazardous for transport.****14.1 UN number or ID number**

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	Not applicable
<b>14.2 UN proper shipping name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packing group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Not classified as a Marine Pollutant.
<b>14.6 Special precautions for user</b>	Not known
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not known

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

High Concern for Authorisation

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles  $\alpha, \alpha$ -dimethylbenzyl hydroperoxide cumene hydroperoxide (80-15-9), methacrylic acid, monoester with propane-1,2-diol (27813-02-1), Oleic acid, ethoxylated (9004-96-0), Poly(oxy-1,2-ethanediyl),  $\alpha$ -(2-methyl-1-oxo-2-propen-1-yl)- $\omega$ -[(2-methyl-1-oxo-2-propen-1-yl)oxy]- (25852-47-5)

Community Rolling Action Plan (CoRAP) Methacrylic acid, monoester with propane-1,2-diol (27813-02-1)

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

**National regulations**

Other Not known.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:



**ABRO Blue Removable Threadlock****LEGEND**

Hazard Pictogram(s)



GHS07

GHS02: GHS: Flame  
GHS05: GHS: Corrosion  
GHS06: GHS: Skull and crossbones  
GHS08: GHS: Health hazard  
GHS09: GHS: Environment

Hazard classification

Org. Perox. E : Organic peroxide, Category E  
Acute Tox. 4 : Acute toxicity, Category 4  
Acute Tox. 4 : Acute toxicity, Category 4  
Skin Corr. 1B : Skin corrosion/irritation, Category 1B  
Skin Irrit. 2 : Skin corrosion/irritation, Category 2  
Skin Sens. 1 : Skin sensitization, Category 1  
Eye Irrit. 2 : Serious eye damage/irritation, Category 2  
Acute Tox. 3 : Acute toxicity, Category 3  
STOT SE 3 : Specific target organ toxicity — single exposure, Category 3  
STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2  
Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2  
Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H242: Heating may cause a fire.  
H302: Harmful if swallowed.  
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.  
H319: Causes serious eye irritation.  
H331: Toxic if inhaled.  
H335: May cause respiratory irritation.  
H373: May cause damage to organs through prolonged or repeated exposure.  
H411: Toxic to aquatic life with long lasting effects.  
H412: Harmful to aquatic life with long lasting effects.

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## Precautionary Statement(s)

P102: Keep out of reach of children.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264: Wash hands and exposed skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face 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.  
P312: Call a POISON CENTER/doctor if you feel unwell.  
P321: Specific treatment (see Medical Advice on this label).  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
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.  
P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P405: Store locked up.  
P501: Dispose of contents in accordance with local, state or national legislation.

## Acronyms

ATE : Acute Toxicity Estimate  
CAS : Chemical Abstracts Service  
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources  
for data used to compile the SDS

Regulation (EC) No. 1272/2008 (CLP)

## Disclaimers

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