

**PRODUCT NAME:** Russian Threadlock Medium Strength Blue Removable ABRO  
**PRODUCT NUMBER/SIZE:** TL-342 **Rev Date:** 01/23/2019

## SECTION 1 Identification of the Substance and of the Company/Undertaking

**MANUFACTURER'S NAME:** ABRO INDUSTRIES, INC.

**ADDRESS:** 3580 Blackthorn Court  
South Bend, IN 46628  
USA

**PRODUCT DESCRIPTION:** Anaerobic Adhesive

**COMPANY PHONE:** 574-232-8289

**EMERGENCY 24-HR TELEPHONE:** Chemtrec: US/Canada 1-800-424-9300  
International +1-703-527-3887

## SECTION 2 Hazards Identification

### Classification:

- Skin corrosion/irritation (C.4.4), Cat. 2
- Sensitization, skin (C.4.7), Cat. 1
- Eye damage/irritation (C.4.5), Cat. 2A

### Label Pictogram(s):



**Signal Word:** **WARNING**

**Hazard Phrases:** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

**Precautionary Phrases:** Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.

**Response:** IF ON SKIN: Wash with plenty of water/soap. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse.

**Storage / Disposal:** Dispose of contents/container in accordance with local reg.

**Other:** Not applicable.

### SECTION 3

#### Composition/Information on Ingredients

**Mixtures**

Substance name:

Hazardous components

Component	Concentration
Polyglycol dimethacrylate (CAS no.: 25852-47-5) CLASSIFICATIONS: No data available. HAZARDS: No data available.	>= 50 - <= 80 % (weight)
SACCHARIN (CAS no.: 81-07-2) CLASSIFICATIONS: No data available. HAZARDS: No data available.	>= 1 - <= 7 % (weight)
Cumene hydroperoxide 88% (CAS no.: 80-15-9; EC no.: 201-254-7; Index no.: 617-002-00-8) CLASSIFICATIONS: Organic peroxides (C.4.28), Type E; Acute toxicity, Cat. 3; Acute toxicity, Cat. 4; Specific target organ toxicity (repeated exposure) (C.4.12), Cat. 2; Skin corrosion/irritation (C.4.4), Cat. 1B; Hazardous to the aquatic environment, long-term (chronic) (chapter 4.1), Cat. 2. HAZARDS: H242 - Heating may cause a fire; H302 - Harmful if swallowed; H312 - Harmful in contact with skin; H314 - Causes severe skin burns and eye damage; H331 - Toxic if inhaled; H373 - May cause damage to organs [organs] through prolonged or repeated exposure [route]; H411 - Toxic to aquatic life with long lasting effects.	>= 1 - <= 7 % (weight)
Cumene (CAS no.: 98-82-8; EC no.: 202-704-5; Index no.: 601-024-00-X) CLASSIFICATIONS: Flammable liquids (C.4.19), Cat. 3; Aspiration hazard (C.4.13), Cat. 1; Specific target organ toxicity (single exposure) (C.4.11), Cat. 3; Hazardous to the aquatic environment, long-term (chronic) (chapter 4.1), Cat. 2. HAZARDS: H226 - Flammable liquid and vapor; H304 - May be fatal if swallowed and enters airways; H335 - May cause respiratory irritation; H411 - Toxic to aquatic life with long lasting effects.	>= 0.1 - <= 1 % (weight)
Silica (CAS no.: 7631-86-9) CLASSIFICATIONS: No data available. HAZARDS: No data available.	>= 1 - <= 7 % (weight)
TITANIUM DIOXIDE (CAS no.: 13463-67-7) CLASSIFICATIONS: No data available. HAZARDS: No data available.	>= 0.1 - <= 1 % (weight)
1,2-PROPANEDIOL (CAS no.: 57-55-6) CLASSIFICATIONS: No data available. HAZARDS: No data available.	Not specified

### SECTION 4

#### First Aid Measures

**General advice:** Get medical advice/attention if you feel unwell.

**If inhaled:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**In case of skin contact:** Immediately flush skin with plenty of water and soap. Remove contaminated clothing. Wash clothing before reuse. Get medical attention.

**In case of eye contact:** Rinse immediately with plenty of water, for at least 15 minutes. Remove contact lenses if present. Get medical attention.

**If swallowed:** DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

**Personal protective equipment for first-aid responders:** Use personal protective equipment as required.

**Most important symptoms/effects, acute and delayed:** See section 2 for more information

**Indication of immediate medical attention and special treatment needed, if necessary:** Treat symptomatically.

## SECTION 5 Fire Fighting Measures

### **Suitable extinguishing media**

Water spray (fog), foam, dry chemical or carbon dioxide.

### **Specific hazards arising from the chemical**

Uncontrolled polymerization may occur at high temperatures resulting in explosions or rupture of storage containers.

### **Special protective actions for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **Further information**

Hazardous combustion products: Oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating organic vapors.

## SECTION 6 Accidental Release Measures

### **Personal precautions, protective equipment and emergency procedures**

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### **Environmental precautions**

Do not allow product to enter sewer or waterways.

### **Methods and materials for containment and cleaning up**

Remove all sources of ignition. Evacuate and ventilate spill area. Wear full protective equipment during cleanup. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up as much material as possible. Store in a partly filled, closed container until disposal.

### **Reference to other sections**

Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

## SECTION 7 Handling and Storage

### **Precautions for safe handling**

Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Keep container closed. Refer to Section 8.

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

For safe storage, store at or below 38 °C (100.4 °F)  
Keep in a cool, well ventilated area away from heat, sparks and open flame.  
Keep container tightly closed until ready for use.

### **Specific end use(s)**

No data available.

## SECTION 8 Exposure Controls/Personal Protection

### Control parameters

**CAS: 13463-67-7**

Titanium dioxide - Total dust

Cal/OSHA: See PNOR PEL inhalation; NIOSH: Ca, (ultrafine particles), 2.4 mg/m<sup>3</sup> (fine), 0.3 mg/m<sup>3</sup> (ultrafine), See Appendix A, See Appendix C REL inhalation; OSHA: 15 mg/m<sup>3</sup> PEL inhalation

**CAS: 98-82-8**

Cumene

Cal/OSHA: 50 ppm PEL inhalation; NIOSH: 50 ppm REL inhalation; OSHA: 50 ppm PEL inhalation; 245 mg/m<sup>3</sup> PEL inhalation

### Appropriate engineering controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Eyewash stations.

### Individual protection measures, such as personal protective equipment (PPE)

#### Eye/face protection

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

#### Skin protection

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact. Use Butyl rubber, Natural rubber gloves, or Neoprene gloves.

#### Body protection

Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.

#### Respiratory protection

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

#### Environmental exposure controls

No data available.

## SECTION 9 Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Color:</b>	Blue
<b>Odor:</b>	N/A
<b>Odor Threshold:</b>	N/A
<b>pH:</b>	N/A
<b>Melting point/freezing point:</b>	N/A
<b>Initial boiling point and range:</b>	> 148.9 °C (> 300°F)
<b>Flash point:</b>	> 93.3 °C (> 199.94 °F) Tagliabue closed cup
<b>Evaporation rate:</b>	N/A
<b>Flammability (solid, gas):</b>	N/A
<b>Upper/lower flammability limits:</b>	2.6% (propylene glycol)
<b>Upper/lower explosive limits:</b>	12.5% (propylene glycol)
<b>Vapor pressure:</b>	< 5 mm hg (26.7 °C (80.1 °F))
<b>Vapor density:</b>	N/A

<b>Relative density:</b>	1.05 – 1.15
<b>Solubility(ies):</b>	Slight in water
<b>Partition coefficient: n-octanol/water:</b>	N/A
<b>Auto-ignition temperature:</b>	N/A
<b>Decomposition temperature:</b>	N/A
<b>Viscosity:</b>	N/A
<b>Explosive properties:</b>	N/A
<b>Oxidizing properties:</b>	N/A

**Other safety information**

VOC Content (%): <3%

## SECTION 10 Stability and Reactivity

**Reactivity**

Not available.

**Chemical stability**

Stable under normal conditions of storage and use.

**Possibility of hazardous reactions**

None under normal processing. Polymerization may occur at elevated temperature or in the presence of incompatible materials.

**Conditions to avoid**

Elevated temperatures. Heat, flames, sparks and other sources of ignition. Store away from incompatible materials.

**Incompatible materials**

Strong oxidizing agents. Strong acids. Copper. Iron. Strong reducing agents. Rust.

**Hazardous decomposition products**

Phenolics. Oxides of sulfur. Oxides of carbon. Oxides of nitrogen. Irritating organic vapors.

## SECTION 11 Toxicological Information

**Acute toxicity**

No data available.

**Skin corrosion/irritation**

Causes skin irritation. May cause allergic skin reaction.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitization**

Inhalation of vapors or mists of the product may be irritating to the respiratory system.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

Cumene is categorized as "Reasonably Anticipated to be a Human Carcinogen." by NTP Carcinogen and "Group 2B" by IARC Carcinogen.

**Reproductive toxicity**

No information available.

**STOT-single exposure**

Polyglycol dimethacrylate: Allergen, Irritant

Cumene hydroperoxide Inhalation: Allergen, Central nervous system, Corrosive, Irritant, Mutagen

Cumene: Central nervous system, Irritant, Lung

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Additional information**

Saccharin: Oral LD50 (Mouse) = 17 g/kg

Cumene hydroperoxide: Inhalation LC50 (Mouse, 4 h) = 200 mg/l

Cumene: Oral LD50 (Rat) = 2.91 g/kg

Oral LD50 (Rat) = 1,400 mg/kg

Inhalation LC50 (Rat, 4 h) = 8000 ppm

## SECTION 12 Ecological Information

**Toxicity**

2.1975 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

Not available.

**Bio accumulative potential**

Not available.

**Mobility in soil**

Not available.

**Results of PBT and vPvB assessment**

Not available.

**Other adverse effects**

Not available.

## SECTION 13 Disposal Considerations

**Disposal of the product**

Follow all local, state, federal and provincial regulations for disposal.

**Disposal of contaminated packaging**

Do not reuse container.

**Waste treatment**

No data available.

**Sewage disposal**

No data available.

**Other disposal recommendations**

No data available.

**SECTION 14**  
**Transport Information**

**U.S. DOT** UN Number: Not Regulated for Transport  
Class:  
Packing Group:  
Proper Shipping Name:

**IMO/IMDG** UN Number: Not Regulated for Transport  
Class:  
Packing Group:  
EMS Number:  
Proper Shipping Name:

**ICAO/IATA** UN Number: Not regulated for Transport  
Class:  
Packing Group:  
Proper Shipping Name:

**SECTION 15**  
**Regulatory Information**

**Safety, health and environmental regulations specific for the product in question**

**Pennsylvania Right To Know Components**

Chemical name: 1,2-Propanediol

CAS number: 57-55-6

Chemical name: 1,2-Benzisothiazol-3(2h)-one, 1,1-dioxide

CAS number: 81-07-2

Chemical name: Hydroperoxide, 1-methyl-1-phenylethyl

CAS number: 80-15-9

Chemical name: Titanium oxide

CAS number: 13463-67-7

Chemical name: Silica

CAS number: 7631-86-9

Chemical name: Benzene, (1-methylethyl)-

CAS number: 98-82-8

**New Jersey Right To Know Components**

Common name: Saccharin

CAS number: 81-07-2

Common name: Cumene hydroperoxide  
CAS number: 80-15-9  
Common name: Cumene  
CAS number: 98-82-8  
Common name: Titanium Dioxide  
CAS number: 13463-67-7  
Common name: Propylene Glycol  
CAS number: 57-55-6

**California Prop. 65 components**

Chemical name: Cumene  
CAS number: 98-82-8  
04/06/2010 - Cancer

**Massachusetts Right To Know Components**

Chemical name: Cumene  
CAS number: 98-82-8  
Chemical name: Cumene hydroperoxide  
CAS number: 80-15-9  
Chemical name: Saccharin (manufacturing)  
CAS number: 81-07-2

**Chemical Safety Assessment**

International Inventories:  
TSCA: Complies  
DSL/NDSL: Complies  
EINECS/ELINCS: Not determined  
ENCS: Complies  
IECSC: Complies  
KECL: Complies  
PICCS: Complies  
AICS: Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances

**HMIS Rating**

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B



**NFPA Rating**



**SECTION 16**  
**Other Information**

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformance to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

**ABBREVIATIONS:**

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable