

PRODUCT NAME: Russian Threadlock High Strength Red Permanent ABRO
PRODUCT NUMBER/SIZE: TL-371-R **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: 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:

EYE DAMAGE/IRRITATION - (C.4.4), Cat. 2
SENSITIZATION - SKIN - (C.4.7), Cat. 1
SKIN CORROSION/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 according to local regulations.

Other: Not applicable

SECTION 3 Composition/Information on Ingredients

Mixtures

Component	Concentration
SACCHARIN (CAS no.: 81-07-2) CLASSIFICATIONS: No data available. HAZARDS: No data available.	>= 1 - <= 7 % (weight)
Polyglycol dimethacrylate (CAS no.: 25852-47-5) CLASSIFICATIONS: No data available. HAZARDS: No data available.	>= 50 - <= 80 % (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)

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.

SECTION 8 Exposure Controls/Personal Protection

Control parameters

CAS: 98-82-8

Cumene

Cal/OSHA: 50 ppm PEL inhalation; NIOSH: 50 ppm REL inhalation; OSHA: 50 ppm PEL inhalation; 245 mg/m³ 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

Physical State:	Liquid
Color:	Red
Odor:	Mild
Odor Threshold:	N/A
pH:	N/A
Melting point/Freezing point:	N/A
Initial boiling point and range:	> 148.9 °C (> 300°F)
Flash point:	> 93.3 °C (> 199.94 °F) Tagliabue closed cup
Evaporation rate:	N/A
Flammability (solid, gas):	N/A
Upper/lower flammability limits:	N/A
Vapor pressure:	< 5 mm hg (26.7 °C (80.1 °F))
Vapor density:	N/A
Relative density:	1.05 – 1.15
Solubility(ies):	Slight in water
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A
Explosive properties:	N/A
Oxidizing properties:	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

Information on toxicological effects

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.

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

0.39 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability

Not available.

Bioaccumulative 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.

SECTION 14
Transport Information

DOT (US)

UN Number: Not Regulated for Transport

Class:

Packing Group:

Proper Shipping Name:

IMDG

UN Number: Not Regulated for Transport

Class:

Packing Group:

EMS Number:
Proper Shipping Name:

IATA

UN Number: Not Regulated for Transport
Class:
Packing Group:
Proper Shipping Name:

SECTION 15
Regulatory Information

Massachusetts Right To Know Components

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

New Jersey Right To Know Components

Common name: Cumene hydroperoxide
CAS number: 80-15-9
Common name: Cumene
CAS number: 98-82-8
Common name: Saccharin
CAS number: 81-07-2

Pennsylvania Right To Know Components

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: Benzene, (1-methylethyl)-
CAS number: 98-82-8

California Prop. 65 components

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

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/NDL - 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
 IECS - 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 conformation 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"	BT="BETWEEN"
<="LESS THAN"	>="GREATER THAN"
ND = Not Determined	NA = Not Applicable