Dynatex Red Threadlocker

Safety Data Sheet

Issue date: 08/07/2023 Supercedes: 06/06/2018 Version: 2

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

1.1. Product identifier

Product form	: Mixture
Trade name	: Dynatex Red High Strength Threadlocker
Reference number	: 143446, 143449, 143452, 143453, 143454, 143455, 604198

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

1.2.1. Relevant identified uses

Intended for general public

Main use category	: Consumer use, Professional use
Use of the substance/mixture	: Adhesive

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Soudal
350 Ring Road
Elizabethtown, KY 42701
(270) 769-3385
technical@soudalaccumetric.com -
www.SoudalUSA.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300 CHEMTREC
24h/24h

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification

CARCINOGEN	Category 2
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE	Category 2
SKIN IRRITANT	Category 2
EYE IRRITANT	Category 2A
SKIN SENSITIZATION	Category 1
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE	Category 3

Adverse physicochemical, human health and environmental effects

2.2. Label elements

Hazard pictograms (CLP) :



Signal word (CLP)	:	WARNING
Hazard statements (CLP)	:	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction Suspected of causing cancer. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements (CLP)	:	If medical advice is needed, have product container or label at hand. Keep out of reach of children Read label before use Avoid breathing dust/fume/gas/vapors/spray. Wear protective gloves. Wear eye protection/face protection. Wash thoroughly after handling. Do not eat, drink, smoke when using this product. Use only outdoors or in a well ventilated area. Contaminated work clothing must not be allowed out of the workplace. If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see on this label) If SWALLOWED: Call a poison center/doctor if you feel unwell. If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Rinse mouth. If on skin: Wash with plenty of water. Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal		Dispose of contents and container in a accordance with all local, regional, national, and international regulations.
Extra phrases	:	

2.3. Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Polyethylene glycol dimethacrylate	CAS-No: 25852-47-5	30 - 39
2-hydroxyethyl methacrylate	CAS-No.: 868-77-9	20 -29
2-Butenedioic acid (2E)-, polymer with α, α-[(1-methylethyldiene)di-4,1-phenylene}bis{hydroxypoly[oxy(methyl-1,2-ethanddiyl)]]	CAS-No.: 39382-25-7	20 – 29
Ethoxylated bisphenol A dimethylacrylate Esters	CAS-No.: 41637-38-1	5 – 9
Modified Epoxy Acrylate Oligimer	CAS-No.: Proprietary	1 – 4
Dimethylbenzyl hydroperoxide	CAS-No.: 80-15-9	1 – 4
Propane-1,2-diol	CAS-No.: 57-55-6	1 – 4
2'-phenylacetohydrazide	CAS-No.: 114-83-0	≤ 1
Cumene	CAS-No.: 98-82-8	≤ 1

Any concentration shown in a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in

concentrations applicable, are classified as hazardous to health of the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Treat according to person's condition and specifics of exposure.
First-aid measures after inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult doctor in case of complaints. Seek medical treatment.
First-aid measures after skin contact	:	Wash with plenty of soap and water. Get medical attention. Wash clothing before reuse.
First-aid measures after eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
First-aid measures after ingestion		Call a doctor immediately.

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

Symptoms/effects after skin contact	: May cause an allergic skin reaction. Irritation and redness.
Symptoms/effects after eye contact	: Causes serious eye irritation. Pain, irritation, watering, or redness.
Symptoms/effects after inhalation	: Breathing difficulties.
Symptoms/effects after ingestion:	: No known significant effect or critical hazards.

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

Notes to physicians:	Treat symptomatically. Contact poison control treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatments.
Protection of first aiders:	No actions shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Foam. Carbon dioxide. Do not use water
Unsuitable extinguishing media	: Water

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: nitrogen oxides, sulfer oxides
Unusual Fire and Explosion Hazards	: No specific fire or explosion hazard.

5.3. Advice for firefighters

Fire Fighting Procedures: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for firefighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	No action shall be taken involving any personal risk or without suitable training. Ensure adequate ventilation. Wear protective clothing. .

6.1.2. For emergency responders

6.2. Environmental precautions

Avoid dispersal of spilled materials and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, oil, or air).

6.3. Methods and material for containment and cleaning up

For containment	:Discharge into environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated water.
Methods for cleaning up	: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust.
Other information	: Dispose of materials or solid residues via an authorized disposal contractor.

6.4. Reference to other sections

For further information refer to section 7, 8, 11, 12, and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)
Hygiene	Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, or processed. Workers should wash hands and face before eating, drinking, or smoking. See also section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well ventilated area, away from incompatible materials. Store away from oxidizing agents.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Dimethylbenzyl hydroperoxide (80-15-9)	
WEEL	Long Term Value 6 mg/m3, 1 ppm Skin

8.1.2. Recommended monitoring procedures

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

8.1.3. Air contaminants formed

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages, and feed. Immediately remove contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:
Protective goggles

8.2.2.2. Skin protection

Skin and body protection:
Protective clothing
Hand protection:
Protective gloves against chemicals

8.2.2.3. Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

9.1. Information on basic physical and chemical properties

SECTION 9: Physical and chemical properties

Physical state	:	Liquid
Color	:	Red
Odor		Characteristic
Odor threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	> 195 °C (> 383 °F)
Flammability	:	Not applicable
Explosive limits	:	Product does not present an explosion hazard.
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	94 °C (201.2°F)
Auto-ignition temperature	:	not applicable.
Decomposition temperature	:	Not available
pH	:	Not applicable
Viscosity, kinematic	:	Not determined
Solubility	:	Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapor pressure	:	< 0.13 kPa (< 1 mm Hg) [@20C (68F)]

Vapor pressure at 50 °C	:	Not available
Density	:	Not available
Relative density	:	Not available
Relative vapor density at 20 °C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

9.2.2. Other safety characteristics

VOC content :1.59% (17.5 g/L)

SECTION 10: Stability and reactivity

10.1. Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Contact with incompatible materials and exposure to extreme temperatures. .

10.5. Incompatible materials

Oxidizing materials

10.6. Hazardous decomposition products

Aldehydes and hydrocarbons

SECTION 11: Toxicological information

11.1. Information on hazard classes

Acute Toxicity

2-hydroxyethyl methacrylate (868-77-9)	
LD50 Oral	15,249 mg/kg (rat)
LD50 Dermal	27,945 mg/kg (rat)
LC50 Inhalation (4 hours)	12,296 mg/L (rat)
Dimethylbenzyl hydroperoxide (80-15-9)	
LD50 Oral	5,050 mg/kg (rat)

Dimethylbenzyl hydroperoxide (80-15-9)	
LD50 Oral	382 mg/kg (rat
LD50 Dermal	500 mg/kg (rat)
LC50 Inhalation (4 hours)	220 mg/L (rat)
Propane- 1,2-diol (57-55-6)	
LD50 Oral	2,000 mg/kg (rat
LD50 Dermal	20,800 mg/kg (rabbit)
2'-phenylacetohydrazide (114-83-0)	
LD50 Oral	270 mg/kg (mouse)
Cumene (98-82-8)	
LD50 Oral	1,400 mg/kg (rat
LD50 Dermal	12,300 mg/kg (rabbit)
LC50 Inhalation (4 hours)	24.7 mg/L (mouse)

Carcinogen

IARC (International Agency for Research on Cancer)	
Cumene (98-82-8)	Category 2B
NTP (National Toxicology Program)	
Cumene (98-82-8)	Category R
1,4-naphthoquinone (130-15-4)	Category R

Teratogencicity : Not available
Mutagenicity : Not available

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Aquatic Toxicity: No further relevant information available.

12.2. Persistence and Degradability

There is no data available.

12.3. Bioaccumulative Potential

There is no data available

12.4. Mobility in Soil

Soil/Water Partition Coefficient K_{OC})	Not available
Other adverse effects:	No known significant effects or critical hazards

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

UN Number	Not regulated
UN Proper Shipping Name	Not applicable DOT
Classification	None
Packing Group	None
Environmental Hazards	None

SECTION 15: Regulatory information

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

15.1.1 US Federal Regulations

TSCA: All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Susbstances Inventory except for 2-(2-methylprop-2-enoyloxy)ethyl 2-methylprop-2-enoate (CAS-No.: 25852-4705), modified epoxy acrylate oligomer (CAS-No.: proprietary), and 2'-phenylacetohydrazide (CAS-No.: 114-83-0).

SARA 302/304: No products were found

SARA 304 RQ: Not applicable

SARA 311/312:

Classification	ACUTE TOXICITY – ORAL	Category 4
	ACUTE TOXICITY – INHALATION	Category 4
	SKIN IRRITANT	Category 2
	EYE IRRITANT	Category 2A
	SKIN SENSITIZATION	Category 1
	SPECIFIC TARGET ORGAN TOXICITY	Category 3

SARA 313
Form R – Reporting requirements dimethylbenzyl hydroperoxide (80-15-9)
Cumene (98-28-8)

15.1.2 US State Regulations

California Prop 65 WARNING: This product can expose you to chemicals including cumene, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Indication of changes

Updated to new style.

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.