Safety Data Sheet

Red Hi Strength Threadlocker Gel

Section 1. Identification

Product Identifier	Red Hi Strength Threadlocker Gel
Synonyms	49457
Manufacturer Stock Numbers	146822
Recommended use	Refer to Technical Information
Uses advised against	Refer to Technical Information

Manufacturer Contact

Address

Dynatex *a division of* Soudal
350 Ring Road
Elizabethtown, KY, 42701
USA

Phone	Emergency Phone	Fax
(270) 769-3385	(800) 424-9300 CHEMTREC	(270) 769-6418

Section 2. Hazards Identification

Classification	CARCINOGENICITY - Category 2 SENSITIZATION - SKIN - Category 1 SERIOUS EYE DAMAGE /EYE IRRITATION - Category 2A SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) - Category 2 SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3
Signal Word	Warning

Pictogram

Hazard Statements

Causes serious eye irritation
Causes skin irritation
May cause an allergic skin reaction
May cause damage to organs through prolonged or repeated exposure
May cause respiratory irritation
Suspected of causing cancer

Precautionary Statements

Response

Call a poison center/doctor if you feel unwell.
Get medical advice/attention if you feel unwell.
If exposed or concerned: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If on skin: Wash with plenty of water
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label)
Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.

Prevention

Avoid breathing dust/fume/gas/mist/ vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Do not breathe dust/fume/gas/mist/ vapors/spray.
Do not handle until all safety precautions have been read and understood.
Obtain special instructions before use.
Use only outdoors or in a well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling.
Wear eye protection/face protection.
Wear protective gloves.
Wear protective gloves/protective clothing/eye protection/face protection.

Storage

Store in a well-ventilated place. Keep container tightly closed.
Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national /international regulations.

Ingredients of unknown toxicity

8.5%

Hazards not Otherwise Classified

Additional Information

None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
67762-90-7	Fumed silica	5% - 9%
25852-47-5	Polyethylene Glycol 200 Dimethacrylate	30% - 39%
27813-02-1	2-Hydroxypropyl methacrylate	20% - 29%
128-44-9	Saccharin	2% - 5%
	Acrylic polymer	10% - 19%
80-15-9	α,α -dimethylbenzyl hydroperoxide	1% - 4%
	Methacrylate monomer	1% - 4%
98-82-8	Cumene	<= 1 %
114-83-0	2'-phenylacetohydrazide	<= 1 %

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

Section 4. First-Aid Measures

Description of first aid measures

After inhalation:
In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air; consult doctor in case of complaints.

After skin contact:
Immediately wash with water and soap and rinse thoroughly.

After eye contact:
Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:
Call a doctor immediately.

Information for doctor

Most important symptoms and effects, both acute and delayed:
No further relevant information available

Indication of any immediate medical attention and special treatment needed:
No further relevant information available

Section 5. Fire Fighting Measures

Suitable Extinguishing Media

Carbon dioxide, sand, extinguishing powder. Do not use water.

Unsuitable Extinguishing Media

Water

Special hazards arising from the substance or mixture

No further relevant information available

Advice for firefighters	Protective equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Wear protective clothing.
Environmental precautions	Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents Dispose of the collected material according to regulations.
Reference to other sections	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7. Handling and Storage

Handling	Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. No special precautions are necessary if used correctly. Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
Conditions for safe storage, including any incompatibilities	Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Not required. Further information about storage conditions: Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.
Specific end use(s)	No further relevant information available.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Fumed silica	N/A	N/A	N/A
Polyethylene Glycol 200 Dimethacrylate	N/A	N/A	N/A

2-Hydroxypropyl methacrylate	N/A	N/A	N/A
Saccharin	N/A	N/A	N/A
Acrylic polymer	N/A	N/A	N/A
α,α -dimethylbenzyl hydroperoxide	None	None	N/A
Methacrylate monomer	N/A	N/A	N/A
Cumene	N/A	N/A	N/A
2'-phenylacetohydrazide	N/A	N/A	N/A

Personal Protective Equipment

Goggles, Gloves

Additional information about design of technical systems

No further data; see item 7

Components with limit values that require monitoring at the workplace

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

CAS: 80-15-9 dimethylbenzyl hydroperoxide
WEEL Long-term value: 6 mg/m³, 1 ppm Skin

CAS: 98-82-8 cumene
PEL Long-term value: 245 mg/m³, 50 ppm Skin
REL Long-term value: 245 mg/m³, 50 ppm Skin
TLV Long-term value: (246) NIC-5 mg/m³, (50) NIC-1 ppm NIC-A3

Additional information:
The lists that were valid during the creation were used as basis.

Personal protective equipment

General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Breathing equipment:
Not required.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Nitrile rubber, NBR

Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:
Tightly sealed goggles

Body protection:
Protective work clothing

Section 9. Physical and Chemical Properties

Physical State	Fluid
Color	Red
Odor	Characteristic
Odor Threshold	Not determined
Solubility	Not miscible
Partition coefficient Water/n-octanol	Not determined
VOC%	0.90%
Viscosity	Not determined
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	95C (203F)
FP Method	N/A
pH	Not determined
Melting Point	Undetermined
Boiling Point	>200C (>392F)
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not determined
Flammability	Not applicable
Decomposition Temperature	Not determined
Auto-ignition Temperature	Not selfigniting
Vapor Pressure	<= 0.1 hPa @ 68C
Vapor Density	N/A

Note	The above information is not intended for use in preparing product specifications. Contact Soudal before writing specifications.

Section 10. Stability and Reactivity

Reactivity	No further relevant information available.
Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No further relevant information available.
Incompatible materials	No further relevant information available.
Hazardous decomposition products	Aldehyde Hydrocarbons

Section 11. Toxicological Information

Acute toxicity	LD/LC50 values that are relevant for classification: 128-44-9 Saccharin Oral LD50 1,280 mg/kg (rat) 80-15-9 dimethylbenzyl hydroperoxide Oral LD50 382 mg/kg (rat) Dermal LD50 500 mg/kg (rat) Inhalative LC50/4 h 220 mg/l (rat) 114-83-0 2'-phenylacetohydrazide Oral LD50 270 mg/kg (mouse) 98-82-8 cumene Oral LD50 1,400 mg/kg (rat) Dermal LD50 12,300 mg/kg (rabbit) Inhalative LC50/4 h 24.7 mg/l (mouse)
Primary irritant effect	on the skin: Irritant to skin and mucous membranes. on the eye: Irritating effect.
Sensitization	Sensitization possible through skin contact.
Additional toxicological information	The product shows the following dangers according to internally approved calculation methods for preparations: Irritant
Carcinogenic categories	IARC (International Agency for Research on Cancer) 98-82-8 cumene 2B 91-20-3 naphthalene 2B 1330-20-7 xylene 3 NTP (National Toxicology Program) 98-82-8 cumene R 130-15-4 1,4-naphthoquinone R

91-20-3 naphthalene R

OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

Section 12. Ecological Information

No Data Available

Section 13. Disposal

No Data Available

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not regulated
DOT Classification	Not regulated
Packing Group	Not regulated

Section 15. Regulatory Information

SARA	Section 355 (extremely hazardous substances): None of the ingredients is listed. Section 313 (Specific toxic chemical listings): 80-15-9 dimethylbenzyl hydroperoxide 98-82-8 cumene 91-20-3 naphthalene 1330-20-7 xylene
TSCA (Toxic Substances Control Act)	Polyglycol dimethacrylate Hydroxypropyl methacrylate Synthetic amorphous silica (fumed) coumarone-indene resins Saccharin dimethylbenzyl hydroperoxide Propylene glycol 2'-phenylacetohydrazide cumene 2-Phenyl-2-propanol N-isopropylhydroxylamine tetrasodium ethylenediaminetetraacetate 1-hydroxyethane-1,1-diylbis(phosphonic acid) 1,4-naphthoquinone

Colorant
naphthalene
acetone oxime
phosphorous acid
xylene
Deionized water

TSCA new (21st Century Act) (Substances not listed)
25852-47-5 Polyglycol dimethacrylate
Acrylic polymer
Methacrylate monomer
114-83-0 2'-phenylacetohydrazide

California Prop 65

Chemicals known to cause cancer:
98-82-8 cumene
91-20-3 naphthalene

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Section 16. Other Information

Revision Date

2/4/2020

Disclaimer

The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine that 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.