



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2478	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	THREADLOCKER PC 271	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	High-Strength, Permanent Thread Locker	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Skin Irrit. Category 2 Eye Irrit. Category 2A Skin Sens. Category 1	SIGNAL WORD: WARNING	SYMBOL:	
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HAZARD STATEMENTS:

H315: Causes skin irritation.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.

PRECAUTIONARY STATEMENTS:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P280: Wear protective gloves.
P280: Wear eye protection/face protection.
P264: Wash thoroughly after handling.
P272: Contaminated work clothing must not be allowed out of the workplace.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P363: Wash contaminated clothing before reuse.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P302+P352: IF ON SKIN: Wash with plenty of water.
P321: Specific treatment (see on this label).

Disposal: P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

ADDITIONAL INFORMATION:

8.5 % of the mixture consists of component(s) of unknown toxicity.

HAZARDS NOT OTHERWISE SPECIFIED:

Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS		% by WEIGHT
2-hydroxyethyl methacrylate	868-77-9	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	20-30
Polyester Resin		Skin Irrit. 2, H315; Eye Irrit. 2B, H320	20-30
Modified Epoxy Acrylate Oligomer		Skin Irrit. 2, H315; Flam. Liq. 4, H227; Eye Irrit. 2B, H320	1-5
Cumene hydroperoxide	80-15-9	Org. Perox. EF, H242; Acute Tox. 3, H331; STOT RE 2, H373; Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312; Flam. Liq. 4, H227	1-5
Saccharin	128-44-9	Acute Tox. 4, H302; Combustible Dust	1-5

4. First Aid Measures

EMERGENCY OVERVIEW

EYES: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

SKIN: Immediately wash with water and soap and rinse thoroughly.

INHALATION:

Supply fresh air and to be sure call for a doctor. In case of unconsciousness, place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.

INGESTION:

If symptoms persist, consult doctor.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

No further relevant information available.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No further relevant information available.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

CO2, extinguishing powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No further relevant information available.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained respiratory protective device. Wear fully protective suit.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Ensure adequate ventilation. Wear protective clothing.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Do not allow to enter sewers/surface or ground water. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. 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.

7. Handling and Storage

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: Protect from heat.

SAFE STORAGE & 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.

Protect from heat and direct sunlight.

SPECIFIC END USE(s):

No further relevant information available.

8. Exposure Controls / Personal Protection³

CONTROL PARAMETERS

Components with limit values that require monitoring at the workplace:

80-15-9 Cumene hydroperoxide

WEEL Long-term value: 6 mg/m³, 1 ppm

Skin

ADDITIONAL INFORMATION:

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

PERSONAL PROTECTIVE EQUIPMENT:



GENERAL: 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.

RESPIRATORY: 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.

SKIN: 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. 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 cannot be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Protective work clothing.

EYE: Tightly sealed goggles.

9. Physical & Chemical Properties

Appearance:		Flammability(solid/gas):	Not applicable.
Form:	Fluid.	Danger of Explosion:	Product does not present an explosion hazard.
Color:	Red.	Vapor Density:	Not determined.
Odor:	Characteristic.	Explosion Limits-lower/upper:	Not determined.
Odor Threshold:	Not determined.	Vapor Pressure:	Not determined.
pH:	Not determined.	Relative Density:	Not determined.
Melting Point/Range:	Undetermined.	Solubility (water):	Not miscible or difficult to mix.
Boiling Point/Range:	200 °C (392 °F)	Auto-Ignition Temperature:	Product is not self-igniting.
Organic Solvents:		Decomposition Temperature:	Not determined.
Organic:	1.0%	Viscosity (kinematic):	Not determined.
Water:	1.0%	Viscosity (dynamic):	Not determined.
VOC content:	1.0% 9.9 g/l / 0.08 lb/gl	Partition Coeff (n-octanol/water):	Not determined.
Solids Content:	57.3%	Evaporation Rate:	Not determined.
Flash Point:	94°C (201°F)		

10. Stability & Reactivity Information

REACTIVITY:

No further relevant information available.

CHEMICAL STABILITY:

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reactions known.

INCOMPATIBLE MATERIALS:

No further relevant information available.

CONDITIONS TO AVOID:

No further relevant information available.

DECOMPOSITION PRODUCTS:

Aldehyde. Hydrocarbons.

11. Toxicological Information

ACUTE TOXICITY:

LD/LC50 values that are relevant for classification:

868-77-9 2-hydroxyethyl methacrylate

Oral LD50 5050 mg/kg (rat)

80-15-9 Cumene hydroperoxide

Oral LD50 382 mg/kg (rat)

Dermal LD50 500 mg/kg (rat)

Inhalative LC50/4 h 220 mg/l (rat)

128-44-9 Saccharin

Oral LD50 1280 mg/kg (rat)

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): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

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

12. Ecological Information

TOXICITY:

Aquatic toxicity: No further relevant information available.

PERSISTENCE AND DEGRADABILITY:

No further relevant information available.

BEHAVIOR IN ENVIRONMENTAL SYSTEMS:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION:

Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach groundwater, watercourse, or sewage system.

RESULTS OF PBT AND vPvB ASSESSMENT:

PBT: Not applicable.

vPvB: Not applicable.

OTHER ADVERSE EFFECTS:

No further relevant information available.

13. Disposal Consideration

WASTE TREATMENT METHODS

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

UNCLEAN PACKAGES:

Disposal must be made according to official regulations.

14. Transportation Information

UN-NUMBER

DOT, ADN, IMDG, IATA: Not regulated.

UN PROPER SHIPPING NAME

DOT, ADN, IMDG, IATA: Not regulated.

TRANSPORT HAZARD CLASS(es)

DOT, ADN, IMDG, IATA

Class: Not regulated.

PACKING GROUP

DOT, IMDG, IATA: Not regulated.

ENVIRONMENTAL HAZARDS:

Marine pollutant: No.

SPECIAL PRECAUTIONS FOR USER:

Not applicable.

TRANSPORT IN BULK ACCORDING TO ANNEX II of MARPOL73/78 AND THE IBC CODE:

Not applicable.

UN "MODEL REGULATION":

Not regulated.

15. Regulatory Information**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE****SARA****Section 355 (extremely hazardous substances):** None of the ingredients is listed.**Section 313 (Specific toxic chemical listings):**80-15-9 Cumene hydroperoxide
Ethylene glycol**TSCA (Toxic Substances Control Act):**Polyethylene glycol dimethacrylate
2-hydroxyethyl methacrylate
Ethoxylated Bisphenol A Dimethacrylate Esters
Cumene hydroperoxide
Saccharin
Propylene glycol
ethylene glycol
2'-phenylacetohydrazide
1,4-naphthoquinone
Deionized water**PROPOSITION 65****Chemicals known to cause cancer:** None of the ingredients is listed.**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:** Ethylene glycol.**CARCINOGENIC CATEGORIES****EPA (Environmental Protection Agency):** None of the ingredients is listed.**TLV (Threshold Limit Value established by ACGIH):**

ethylene glycol A4

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.**CHEMICAL SAFETY ASSESSMENT:**

A Chemical Safety Assessment has not been carried out.

16. Other Information**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 4: Flammable liquids, Hazard Category 4
 Org. Perox. EF: Organic Peroxides, Types E, F
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Acute Tox. 3: Acute toxicity, Hazard Category 3
 Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
 Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
 STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
 N/A = Not Applicable
 N/D = Not Determined

NFPA	Health Hazards:	Flammability: 1	Instability: 0	Physical & Chemical Properties:
HMIS	Health Hazards: *1	Flammability: 1	Physical hazards: 0	Personal protection:

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.