



# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2476	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	THREADLOCKER PC 242	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Medium Strength, Removable Thread Locker	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Skin Irrit. Category 2 Eye Irrit. Category 2A Skin Sens. Category 1B	<b>SIGNAL WORD:</b> WARNING	<b>SYMBOL:</b>	
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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.

**HAZARDS NOT OTHERWISE SPECIFIED:**  
**Results of PBT and vPvB assessment**  
- **PBT:** Not applicable.  
- **vPvB:** Not applicable.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS		CONCENTRATION % by WEIGHT
Polyglycol dioctanoate	18268-70-7	Skin Sens. 1B, H317; Eye Irrit. 2B, H320	20-30
Hydroxypropyl methacrylate	27813-02-1	Skin Irrit. 2, H315; Eye Irrit. 2A, H319	5-10
Synthetic amorphous silica (fumed)	67762-90-7	Skin Irrit. 2, H315	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:**  
CO<sub>2</sub>, 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.

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:** No special measures required.

### 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.

### SPECIFIC END USE(s):

No further relevant information available.

## 8. Exposure Controls / Personal Protection

### CONTROL PARAMETERS:

**Components with limit values that require monitoring at the workplace:**

**80-15-9 Cumene hydroperoxide**

WEEL Long-term value: 6 mg/m<sup>3</sup>, 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:** 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

<b>Appearance:</b>		<b>Flammability(solid/gas):</b>	Not applicable.
<b>Form:</b>	Liquid.	<b>Danger of Explosion:</b>	Product does not present an explosion hazard.
<b>Color:</b>	Blue.	<b>Vapor Density:</b>	Not determined.
<b>Odor:</b>	Characteristic.	<b>Vapor Pressure:</b>	Not determined.
<b>Odor Threshold:</b>	Not determined.	<b>Relative Density:</b>	Not determined.
<b>pH:</b>	Not determined.	<b>Solubility (water):</b>	Not miscible or difficult to mix.
<b>Melting Point/Range:</b>	Undetermined.	<b>Auto-Ignition Temperature:</b>	Product is not self-igniting.
<b>Boiling Point/Range:</b>	200°C (392°F)	<b>Decomposition Temperature:</b>	Not determined.
<b>Solids Content:</b>	87.1%	<b>Viscosity (kinematic):</b>	Not determined.
<b>Flash Point:</b>	95°C (203°F)	<b>Viscosity (dynamic):</b>	Not determined.
<b>Evaporation Rate:</b>	Not determined.	<b>Partition Coeff (n-octanol/water):</b>	Not determined.
<b>Solvent Content:</b>		<b>Explosion Limits:</b>	
<b>Organic solvents:</b>	0.4%	<b>Lower:</b>	Not determined.
<b>Water:</b>	1.1%	<b>Upper:</b>	Not determined.
<b>VOC content:</b>	0.4%		
	4.4 g/l / 0.04 lb/gal		

## 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:**

**18268-70-7 Polyglycol dioctanoate**

Oral LD50 2500 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 ground water, 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

### TSCA (Toxic Substances Control Act):

Polyethylene glycol dimethacrylate

Polyglycol dioctanoate

Hydroxypropyl methacrylate

Synthetic amorphous silica (fumed)

Cumene hydroperoxide

Saccharin

Propylene 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:** None of the ingredients is listed.

### CARCINOGENIC CATEGORIES:

**EPA (Environmental Protection Agency):** None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH):** None of the ingredients is listed.

**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. 1B: Sensitization - Skin, Hazard Category 1B

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

N/A = Not Applicable

N/D = Not Determined

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

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