



MATERIAL SAFETY DATA SHEET

2431-50 Thread Locker

1. Product Identification

Product Name : 2431-50 Thread Locker
Product Type : Anaerobic

2. Composition

<u>Ingredients</u>	<u>CAS No.</u>	<u>%</u>	<u>Threshold Limit Value</u>
Polyglycol Dimethacrylate	25852-47-5	60-65	None
Polyglycol Dioctanoate	18268-70-7	20-25	None
Poly(vinyl acetat)	9003-20-7	5-10	None
Poly(ethylene)	9002-88-4	3-5	None
Saccharin	81-07-02	2-4	None
Silica, amorphous, treated	68909-20-6	1-3	10 mg / m ³
Cumene Hydroperoxide	80-15-9	1-3	None
1-Acetyl-2-phenylhydrazine	114-83-0	0.1-1	None
Maleic Acid	110-16-7	0.1-1	None

3. Chemical and Physical Properties

Vapor Pressure	: 6 mm Hg at 30°C	Vapor Density	: Heavier Than Air
Solubility in Water	: Insoluble	Specific Gravity	: 1.05
Boiling Point	: N.A.	Appearance	: Blue Liquid
Odor	: Mild		:

4. Flammability and Explosive Properties

Flash Point : >93°C
Recommended Extinguishing Agents : Use water spray, foam, dry chemical, or CO₂.
Hazardous Products Formed by Fire or Thermal Decomposition : Toxic fumes (oxides of carbon and nitrogen) May be evolved upon exposure to heat or open flame.
Unusual Fire or Explosion Hazards : None
Compressed Gasses : None
Pressure at Room Temp. : N.A.

5. Health Hazard Data

Toxicity : Mild eye irritant. Propylene glycol is a mild skin irritant
Primary Routes of Entry : Eye, skin contact
Signs and Symptoms of Exposure : May cause dermatitis on prolonged contact insensitive individuals
Potential Routes of Entry : Skin, eyes, inhalation
Symptoms of Overexposure : Possible skin and eye irritation on contact
Inhalation of vapors in an unventilated area may, over time, induce headaches



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Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen IARC
Polyglycol Dimethacrylate	Allergen, Irritant	No
Polyglycol Dioctanoate	Irritant	No
Poly(vinyl acetat)	No	No
Poly(ethylene)	No	No
Saccharin	No	N/A
Silica, amorphous, treated	No	No
Cumene Hydroperoxide	Allergen, Irritant	No
1-Acetyl-2-phenylhydrazine	Allergen, Irritant	No
Maleic Acid	Irritant	No

6. Reactivity Data

Stability : Stable
Hazardous Polymerization : Will not occur
Incompatibility : Strong oxidizers, free radical initiators, insert gases.
Conditions to Avoid : Not available Hazardous Decomposition

7. Spill or Leak Procedures

Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material. Dispose of as a chemical waste in accordance with current local, state, and federal regulations.

8. Storage and Handling Procedures

Safe Storage : Store below 30°C
Handling : Avoid prolonged skin contact. Keep away from eyes.

9. Shipping Regulations

DOT and IATA Hazard Classification : Not Restricted Article
Proper DOT Shipping Name : Unrestricted
Identification Number : DOT - None IATA - None

10. Emergency Treatment Procedures

Eye Irritation : Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact : In case of skin contact, wash thoroughly with soap and water. Do not use organic solvents for clean up as they may dry or irritate the skin and act as a carrier for chemical absorption.
Inhalation : Remove affected person to fresh air.
Ingestion : Low toxicity; Get medical attention.



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11. Personal Protection

- Respiratory : Positive fresh air exhaust should be provided in the work area;
Respiratory equipment is unnecessary in normal use.
- Skin : Avoid skin contact. Wear gloves and impervious protective clothing if frequent direct contact is likely.
- Eyes : Do not wear contact lenses. Chemical safety goggles are recommended.

12. Other Information

None

Abbreviations :

TLV	=	Threshold Limit Value
PEL	=	Permissible Exposure Limit
NTP	=	National Testing Program
IARC	=	International Agency for Research on Cancer
NFPA	=	National Fire Protection Association
HMIS	=	Hazardous Materials Identification System
	=	No Data / Not Available