DNSBOND242

Material Safety Data Sheet

242 threadlock(removable)

1. Identification of the chemicals

Product name:	242 threadlock(removable)
Article number:	24200
Product type:	anaerobic type

2. Composition/information on ingredients

COMPONENTS	CAS CODE	%
Polyethylene glycol dimethyl acrylate	25852-47-5	60-65
Polyethylene glycol oleate	9004-96-0	25-30
Benzosulfimide	81-07-2	3-5
Cumene hydroperoxide *	80-15-9	1-3
Propanediol	57-55-6	1-3
Amorphous fumigated silica	112945-52-5	1-3
N, n-dialkyltoluidine	613-48-9	0.1-1
Titanium dioxide	13463-67-7	0.1-0.5

*This component is listed in section SARA 313, it is toxic chemicals

Exposure limiting components

Exposure limiting component(TWA)	ACGIH (TLV)		OSHA (PEL)		Other
Cumene hydroperoxide	None		None		1ppm(6 mg/m^3) skin(WEEL)
Amorphous fumigated silica	$10mg/m^3$	TWA	$6mg/m^3$	TWA	$3mg/m^3$ TWA respirable dust
Titanium dioxide	$10mg/m^3$	dust	$15mg/m^3$ total dust		None
Exposure limiting component(STEL)	ACGIH (TLV)		OSHA (PEL)		

3. Hazards identification

Toxicity:	Slightly stimulate eyes, propanediol slightly stimulate skin
Main route of invasion:	Eye and skin contact
Signs and symptoms:	For sensitive individuals, long-term exposure can lead to dermatitis
Exposure cause deterioration of living conditions:	Propanediol: dermatitis

3. Hazards identification

Components	Reference documentation	carcinogen		
	Effects on human organs and other health conditions	NTP	IARC	OSHA
Polyethylene glycol diacrylate	ALG IRR	None	None	None
Polyethylene glycol oleate	IRR	None	None	None
Benzosulfimide	NTO	None	N/A	None
Cumene hydroperoxide	ALG CNS COR IRR MUT	None	None	None
Propanediol	IRR	None	None	None
Amorphous fumigated silica	NUI	None	N/A	None
N, n-dialkyltoluidine	NTO	None	None	None
Titanium dioxide	IRR RES	None	None	None

abbreviation

N/A	not applicable	ALG	allergy
CNS	central nervous system	COR	corrosion
IRR	irritation	MUT	mutagen
NTO	no target organ	NUI	Harmful dust
RES	respire		

4 . First aid measures

After swallowing:	Do not induce vomiting. Stay calm and seek doctors' help.
After inhalation:	Not applicable
After skin contact:	Rinse thoroughly with soapy water
After eye contact:	Rinse for at lease 15 minutes under running water, seek doctors' help

5 . Firefighting measures

Flash point：	exceed 200 ºF Measure: Tag close cup
Recommended extinguishing agents:	Carbon dioxide, foam, dry powder extinguishing agent
Special fire extinguishing method:	Not applicable
Hazardous substances resulting from combustion or thermal decomposition:	Irritating organic steam; Carbon oxide
Special fire or explosive hazard:	None
Explosion limit:	
(Volume ratio in air, %)lower limit:	Propanediol: 2.6%
(Volume ratio in air, %) upper limit:	Propanediol: 12.5%

6. Accidental release measures

Unexpected overflow or leak handling: to be absorbed by an inert absorbent and stored in a closed container, to be handled.

7. Handling and storage

Safe storage: Stored under conditions below100 ºF. (To obtain specific storage life information, please contact Letai user Service Center, 1-800-243-4874)

Handling: Avoid long-term contact with the skin. Avoid contact with the eyes.

8. Personal protection

Eyes:	Protective glasses or goggles
Skin:	Neoprene or butyl rubber gloves
Ventilating:	Not applicable
Breathing:	Not applicable
	See the exposure limit in Section 2

9. Physical and chemical properties

Appearance:	Blue liquid
Odour:	Slight
Boiling point:	Exceed 300 ºF
pH:	Not applicable
Water-solubility:	Slightly soluble
Proportion:	Below 75 ºF, 1.1
Organic volatile(EPA, Method 24):	4.478%; 49.3g/L
Vapor pressure:	Below 80 ºF, less than 5mmHg
Vapor density:	Not applicable
Volatilization rate(aether=1):	Not applicable

10. Stability and reactivity

Stability:	Stable
Risk aggregation:	Won't happen
Incompatibility:	Strong oxidant, free radical initiator, inert gas
Conditions to avoid:	No
Hazardous decomposition products (non-thermal decomposition):	None

11. Toxicity information

Estimated oral exposure limits LD50 exceed 10000mg/kg
Estimated skin exposure limits LD50 exceed 5000mg/kg

12. Ecological effect

No data available

13. **Disposal considerations**

Recommended approach:	Incineration in accordance with EPA and local regulations
EPA hazardous waste serial number:	NH- Not belonging to RCRA hazardous waste

14. **Transport information**

DOT (49 CFR 172)	
Domestic ground transportation in the United States	
Suitable shipping name:	Not regulated
Risk level:	Not regulated
Identification number:	None
Marine pollutants:	None
IATA	
Suitable shipping name:	Not regulated
Risk level:	Not regulated
UN or ID number:	None

15. **Regulatory information**

CA Clause 65:	Does not contain the chemicals specified in CA Clause 65.

16. **Other information**

NFPA(R) Evaluation code:	
Health hazard:	1
Inflammability:	1
Reactivity hazard:	1
Special hazard:	Not applicable
HMIS(R) Evaluation code:	
Health hazard:	1*
Inflammability:	1
Reactivity hazard:	1
Personal protection：	See Section 8

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Revised date: January 27, 1999 Revision: 0033

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