SUPERLOCK NUTLOCK 2242

This product appears in the following stock number(s):
22420 22425 DA004 DA227

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Tradename: SUPERLOCK NUTLOCK 2242

General use: This product is used to lock studs, bushings, and similar metal parts in place. It cures to a nonhazardous solid when in contact with metal (or certain promoters) in the absence of air.

Chemical family: Anerobic adhesive.

MANUFACTURER

ITW Devcon
30 Endicott St.
Danvers, MA 01923

EMERGENCY INFORMATION

Emergency telephone number
(CHEMTREC): (800) 424-9300
Other Calls: (978) 777-1100

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS CONSTITUENTS **Exposure limits**

Constituent	Abbr.	CAS No.	Weight percent	ACGIH TLV	OSHA PEL	Other Limits
Cumene hydroperoxide	CHP	80159	1-3	n/e	n/e	1 ppm,skin (AIHA-WEEL)
Butyl benzyl phthalate	BBP	85687	20-40	n/e	n/e	5 mg/m^3

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit."n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

3. HAZARDS IDENTIFICATION

Emergency Overview

Appearance, form, odor: Thick, blue liquid with mild organic odor.

CAUTION! Contains Butyl benzyl phthalate and Cumene hydroperoxide. EYE AND SKIN IRRITANT. May be harmful if swallowed.

Potential health effects

Primary routes of exposure: ☒ Skin contact ☐ Skin absorption ☒ Eye contact ☐ Inhalation ☐ Ingestion

Symptoms of acute overexposure:

Skin: May cause mild irritation. Dermatitis may develop from prolonged skin contact.
Eyes: May cause mild irritation.

Inhalation:
Unlikely given the low vapor pressure of the material.

Ingestion:
No data were found on specific symptoms.

Effects of chronic overexposure:
None known.

Carcinogenicity -- OSHA regulated: No **ACGIH: No** **National Toxicology Program: No**
International Agency for Research on Cancer: No
Cancer-suspect constituent(s) : none

Medical conditions which may be aggravated by exposure:
None known.

Other effects:
None known.

4. FIRST AID MEASURES

First aid for eyes:
Flush eye with clean water for at least 15 minutes while gently holding eyelids open. Get immediate medical attention.

First aid for skin:
Wash thoroughly with soap and warm water. Consult a physician if irritation develops.

First aid for inhalation:
Move victim to fresh air. Give artificial respiration or oxygen as required; consult physician if symptoms are serious or persistent.

First aid for ingestion:
Do not induce vomiting. If patient is conscious, give warm water; consult physician.

5. FIRE FIGHTING MEASURES

Extinguishing media:

☐ Water ☒ Carbon dioxide ☒ Dry chemical ☒ Foam ☐ Alcohol foam

Flash Point (°F): >200 **Method:** TCC

Explosive limits in air (percent) -- Lower: n/d **Upper:** n/d

Special firefighting procedures:
Fire fighters should wear self-contained breathing apparatus in confined areas.

Unusual fire and explosion hazards:
In large quantities could undergo violent polymerization generating significant heat and pressure.

Hazardous products of combustion:
Oxides of carbon and unidentified organic combustion products.

6. ACCIDENTAL RELEASE MEASURES

Spill control:
Wear protective clothing. Dike and absorb with inert material such as vermiculite.

Containment:
Dike with inert material.

Cleanup:
Pick up bulk of spill and place in suitable container for disposal. Flush area with water to remove residues.

Special procedures:
None.

7. HANDLING AND STORAGE

Handling precautions:
Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing and protective gear before reuse. Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against nuisance dust during sanding/grinding of cured product.

Storage:
Store in a cool, dry area away from high temperatures, flames and direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls

Ventilation :
Local exhaust is recommended for confined areas. General mechanical ventilation is adequate for normal use.

Other engineering controls :
Have emergency shower and eye wash available.

Personal protective equipment

Eye and face protection:
Safety glasses with side shields.

Skin protection:
Chemical resistant rubber gloves; clean, long-sleeved an long legged clothing and other protective gear as required to prevent skin contact.

Respiratory protection:
None required at normal handling temperatures. If material is heated or mists are created, a NIOSH-approved organic vapor respirator may be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity:	1.08	**Boiling point (°F):**	>400F
Melting point (°F):	not determined	**Vapor density (air = 1):**	>1
Vapor pressure (mmHg):	0.01 at 68 °F	**Evaporation rate (butyl acetate = 1):**	Low
VOC (grams/liter):	0	**Solubility in water:**	Slight
Percent volatile by volume:	0	**pH (5% solution or slurry in water):**	7-8
Percent solids by weight:	100		

10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

Conditions to avoid :
Temperatures above 176F (80C), metals and their salts.

Incompatible materials:
Avoid strong reducing agents and bases.

Hazardous products of decomposition:
At high temperatures: CO, CO2, and other products.

Conditions under which hazardous polymerization may occur:
Temperatures above 176F (80C), metals and their salts.

11. TOXICOLOGICAL INFORMATION

Acute oral effects: LD50 (rat): > 5 g/kg

Acute dermal effects: LD50 (rabbit): No data available
Slight irritant to the skin of a rabbit.

Acute inhalation effects: LC50 (rat): No data available Exposure: hours.

Eye irritation:
No data available

Subchronic effects:
None known.

Carcinogenicity, teratogenicity, and mutagenicity:
None known.

Other chronic effects:
None known.

Toxicological information on hazardous chemical constituents of this product:

Constituent	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr, (rat)
Cumene hydroperoxide	382 mg/kg	1200 mg/kg	220 ppm
Butyl benzyl phthalate	2330 mg/kg	>10 mg/kg	n/d

'n/d' = 'not determined'

12 ECOLOGICAL INFORMATION

Ecotoxicity:
No data available.

Mobility and persistence:
No data available.

Environmental fate:
No data available.

13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

Waste management recommendations:
If this material becomes waste, dispose of in accordance with applicable federal state, and local regulations.

14. TRANSPORT INFORMATION

Proper shipping name: Non-regulated Material (Domestic U.S.)
Technical name : N/A
Hazard class : N/A
UN number: N/A
Packing group: N/A
Emergency Response Guide no.: N/A
IMDG page number: N/A
Other: Marine Pollutant (Butyl Benzyl Phthalate)

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA
All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

The following RCRA code(s) applies to this material if it becomes waste:
None

Regulatory status of hazardous chemical constituents of this product:

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Cumene hydroperoxide	No	Yes	10.0	Not required
Butyl benzyl phthalate	No	No	100.0	Required

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance list.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: - Immediate health hazard -

Canadian regulations

WHMIS hazard class(es) : D2B
All components of this product are on the Domestic Substances List.

16. OTHER INFORMATION

Hazardous Materials Identification System (HMIS) ratings:	Health	Flammability	Reactivity
	1	1	1

Revisions for this issue:

MSDS section	Revisions
1	Address

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