



SAFETY DATA SHEET

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **SUPERLOCK STUDLOCK 2271**
Stock No.: 22715
Manufacturer Name: ITW Devcon
Address: 30 Endicott Street
Danvers, MA 01923
SDS Revision Date: 10/10/2006
Emergency telephone number: (800) 424-9300

HMIS

Health Hazard	1
Fire Hazard	1
REACTIVITY	1
Personal Protection	X

* Chronic Health Effects:

In the US, call CHEMTREC: (800) 424-9300

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	
Polyethylene glycol dimethacrylate	25852-47-5	60 - 100 by Weight
Propoxlated bisphenol fumarate polyester	39382-25-7	10 - 30 by Weight
Saccharin	81-07-2	1 - 5 by Weight
Cumene hydroperoxide	80-15-9	1 - 5 by Weight
Polyethylene	9002-88-4	1 - 5 by Weight

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SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: CAUTION! Harmful. Irritant.

Primary Routes of Exposure: Eyes. Skin. Inhalation. Ingestion.

Potential Health Effects:

Eye Contact: Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury.

Skin Contact: Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling.

Inhalation: Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects.

Ingestion: Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.

Chronic Health Effects: Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction

Signs/Symptoms: Overexposure can cause headaches, dizziness, nausea, and vomiting.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Aggravation of Pre-Existing Conditions: Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

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SECTION 4: FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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SECTION 5: FIRE FIGHTING MEASURES

Auto Ignition Temp :	Not determined.
Flash Point:	>200°F (93.3 °C)
Flash Point Method:	Tag closed cup (TCC)
Lower Explosive Limit (LEL)	Not determined.
Upper Explosive Limit (UEL)	Not determined.
Extinguishing Media:	Use carbon dioxide (CO2) or dry chemical when fighting fires involving this material.
Protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Other Precautions:	Pump or shovel to storage/salvage vessels. Add inhibitor to prevent polymerization.

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SECTION 7: HANDLING AND STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.

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SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by

air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

Notes : Only established PEL and TLV values for the ingredients are listed below.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:	Liquid.
Color:	Red
Odor:	mild organic.
Boiling Point:	>300°F (148.8°C)
Melting / Freezing Point :	Not determined.
Solubility:	negligible
Specific Gravity:	1.1
Vapor Density:	3 (air = 1)
Vapor Pressure:	5 mmHg @68°F
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Percent Volatile:	0
VOC Data :	0 g/L
Percent Solids by Weight	100

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SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Oxygen-free atmospheres or inert gas blanketing. Freezing conditions. Material can soften paint and rubber.
Incompatibilities with Other Materials:	Oxidizing agents (eg peroxides, nitrates), reducing agents, acids, bases, azo-compounds, catalytic metals (eg copper, iron), halogens. Free radical initiators. Oxygen scavengers.
Hazardous Polymerization:	Polymerization may occur under certain conditions.

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SECTION 11: TOXICOLOGICAL INFORMATION

Saccharin:

Ingestion Effects: Oral - Mouse LD50: 17 gm/kg - [Details of toxic effects not reported other than lethal dose value] (RTECS)

Cumene hydroperoxide:

Eye Effect: Eye - Rabbit Standard Draize Test : 70% (RTECS)

Skin Effects: Skin - Rabbit Standard Draize Test : 500 mg - [mild](RTECS)
Skin - Rat LD50: 500 mg/kg - [Behavioral - convulsions or effect on seizure threshold Kidney/Ureter/Bladder - hematuria](RTECS)
Skin - Rabbit LDLo: 1200 mg/kg - [Cardiac - pulse rate increase, without fall in BP Blood - changes in erythrocyte (RBC) count Nutritional and Gross Metabolic - body temperature decrease](RTECS)
Skin - Mouse LD50: 490 mg/kg - [Details of toxic effects not reported other than lethal dose value](RTECS)
Skin - Mouse TDLo - Lowest published toxic dose: 1200 mg/kg - [Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - catalases Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - other oxidoreductases Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - other transferases](RTECS)

Inhalation Effects: Inhalation - Rat LC50: 220 ppm/4H - [Lungs, Thorax, or Respiration - dyspnea] (RTECS)
Inhalation - Mouse LC50: 200 ppm/4H - [Lungs, Thorax, or Respiration - dyspnea] (RTECS)

Ingestion Effects: Oral - Rat LD50: 800 mg/kg - [Details of toxic effects not reported other than lethal dose value] (RTECS)
Oral - Mouse LD50: 342 mg/kg - [Details of toxic effects not reported other than lethal dose value] (RTECS)

Polyethylene:

Ingestion Effects: Oral - Mouse LDLo: 5 gm/kg - [Details of toxic effects not reported other than lethal dose value] (RTECS)

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SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.
Environmental Fate: No environmental information found for this product.

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SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

RCRA Number : None

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SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Not regulated.
DOT UN Number: Non regulated.

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SECTION 15: REGULATORY INFORMATION

WHMIS Pictograms



Saccharin:

TSCA Inventory Status Listed
State: Listed in the State of Massachusetts Hazardous Substance List.
Listed in the New Jersey State Right to Know List.
Listed in the Pennsylvania State Hazardous Substances List.

Cumene hydroperoxide:

TSCA Inventory Status Listed
State: Listed in the State of Massachusetts Hazardous Substance List.
Listed in the New Jersey State Right to Know List.
Listed in the Pennsylvania State Hazardous Substances List.

EC Num : 617-002-00-8

Canadian Regulations. WHMIS Hazard Class(es): D2B
All components of this product are on the Canadian Domestic Substances List.

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SECTION 16: ADDITIONAL INFORMATION

HMIS Health Hazard: 1
HMIS Fire Hazard: 1
HMIS Reactivity: 1
HMIS Personal Protection: X
SDS Revision Date: 10/10/2006
Disclaimer: "This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment."