

APR 29 1994

MATERIAL SAFETY DATA SHEET

For chemicals, coatings and related materials

'Essentially similar' to form OSHA-20

DATE PREPARED:

7-15-86

Manufacturer

NAME: REXNORD CHEMICAL PRODUCTS
 MFG. FOR: ELCO INDUSTRIES, INC.
 ADDRESS: P.O. BOX 7009
 ADDRESS: ROCKFORD, IL
 ZIP CODE: 61125

EMERGENCY PHONE NUMBER

DAY: 612-835-3434
 NIGHT: CHEMTREC
 1-800-424-9300

INFORMATION PHONE NUMBER

612-835-3434

Section I - Product

NUMBER: CFP 420
 NAME: ELCO CFP 420 Urethane Sealant
 CLASS: Sealant

H M I S Hazard Codes

Health: 1 Slight
 Flammability: 1 Slight
 Reactivity: 0 Minimal

Personal Protective Equipment: B

Section II - Hazardous Ingredients

Ingredient Material Description	Percent by weight	C.A.S. Registry No.	LEL	Vapor Pressure mm Hg @ 20 C
Nonylphenoxyethoxyethanol	0.42	68412-54-4	N/A	N/A
Glycidoxypropyltrimethoxysilane	0.25	2530-83-8	N/A	0.9
Dibutyltin Dilaurate	0.37	77-58-7	N/A	0.0
Chlorinated Paraffin	3.26	68920-70-7	N/A	N/A
Naphthene/Paraffin Solvent	8.8	64742-88-7	1.	5.0
Free Isocyanate	1.0	584-84-9	N/A	0.02

Section III - Physical Data

Boiling Range: 350 — N/A deg F
 Vapor Pressure: 3.7mm @ 20 deg C
 Specific Gravity: 1.14
 Evaporation Rate: Slower
 (relative to n-butyl acetate)

Freezing Point: N/A deg F
 Vapor Density: Heavier than air
 H₂O Soluble: Slight (0.1 - 1.0%)
 % Volatile by Volume: 14.14%

Appearance and Odor: Smooth viscous liquid with mild odor

Section IV - Fire and Explosion Hazard Data

Flash point: 144.0 deg F
 (Method Used) Tag

Explosive Limits: LEL UEL (%V in air)
 1.0 7.0

FLAMMABILITY CLASSIFICATION

OSHA: Combustible Liquid — Class IIIA
 DOT: Combustible Liquid

EXTINGUISHING MEDIA:

Foam, CO₂, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self-contained breathing apparatus and protective clothing. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion. Closed containers may rupture or explode (due to pressure build-up) when exposed to extreme heat.

Vapor is heavier than air, and may travel along the ground to be reignited at locations distant from the source; flashback of flame may occur.

Empty containers may contain explosive vapors or dangerous residues. DO NOT cut, puncture or weld on or near container.

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 ===== Section V — Toxicological Information =====
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Ingredient Material Description	PEL mg/m ³	TLV (twa)		LD50 (mg/kg)		LC50 (ppm)
		mg/m ³	ppm	(rat) ORAL	(rbt) DERMAL	(rat) INHAL
Nonylphenoxypolyethoxyethanol	N/A	N/A	N/A	N/A	N/A	N/A
Glycidoxypropyltrimethoxysilane	N/A	N/A	N/A	N/A	N/A	N/A
Dibutyltin Dilaurate	0.1	0.1	N/A	3954.0	N/A	N/A
Chlorinated Paraffin	N/A	N/A	N/A	N/A	N/A	N/A
Naphthene/Paraffin Solvent	N/A	N/A	100.0	N/A	N/A	N/A
Free Isocyanate	(ppm) 0.02	N/A	0.005	5800.0	N/A	66.0

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 ===== Section VI — Health Hazard Data =====
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EFFECTS OF OVEREXPOSURE:

THRESHOLD LIMIT VALUES: See Section V

ACUTE HAZARDS

EYES: Moderate irritant. May cause reversible corneal injury.

SKIN: Moderate irritant. May cause dermatitis and allergic responses. Repeated or prolonged overexposure may cause sensitization. May be absorbed in harmful amounts.

INHALATION: Respiratory irritant and intoxicant. Overexposure shown by headache, dizziness and confusion to coma. Material aspirated into lungs may cause chemical pneumonitis.

INGESTION: May cause irritation of mouth, throat and stomach. Symptoms include nausea, abdominal pain and possible collapse.

***Preexisting pulmonary and dermatological disorders may be aggravated by exposure to hazardous components.

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Flush with plenty of water at least 15 minutes. Obtain immediate medical attention.

SKIN: Remove contaminated clothing. Wash affected area(s) thoroughly with soap and water. Consult a physician.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. Administer artificial respiration if not breathing. Obtain medical attention.

INGESTION: DO NOT INDUCE VOIMITTING. Give water or milk if victim is conscious and not drowsy. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs. Obtain immediate medical attention.

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 ===== Section VII — Reactivity Data =====
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STABILITY: Stable

STABILTY CONDITIONS TO AVOID:

Sources of ignition

Long-term exposure to elevated temperatures

Contamination with moisture

INCOMPATIBILITY (MATERIALS TO AVOID CONTACT WITH):

Strong bases or oxidants. Strong Lewis or mineral acids.

Water, alcohols

Amine hardeners in large masses or under uncontrolled conditions

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Section X — Special Precautions
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HANDLING AND STORAGE PRECAUTIONS:

FOR INDUSTRIAL USE ONLY
DO NOT TAKE INTERNALLY
AVOID CONTACT WITH EYES, SKIN AND CLOTHING
AVOID BREATHING VAPOR/DUST/MIST
WASH THOROUGHLY AFTER HANDLING
TIGHTLY RESEAL ALL PARTIALLY USED CONTAINERS
USE ONLY WITH ADEQUATE VENTILATION
STORE AWAY FROM SOURCES OF IGNITION

KEEP OUT OF REACH OF CHILDREN

THIS CONTAINER HAZARDOUS WHEN EMPTY
DO NOT REUSE EMPTY CONTAINER WITHOUT COMMERCIAL CLEAN OR RECONDITION
STORE EMPTY CONTAINER AWAY FROM HEAT AND FLAME

OTHER PRECAUTIONS:

N/A = Information or data Not Available
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