

**REZ-SEAL - 55 GAL DRUM**Version 2.
REVISION DATE: 12/14/2010

Print Date 12/16/2010

SECTION 1 - PRODUCT IDENTIFICATION / PREPARATION INFORMATION**Product Information**Trade name : REZ-SEAL - 55 GAL DRUM
Product code : 259 55Supplier : Euclid Canada
2835 Grande-Allée
St-Hubert, QC J4T 2R4Telephone : 1-800-667-0920
Emergency Phone: : (613) 996-6666

Product use : Sealer

Preparation InformationPrepared by: : Sewnauth Raghunandan
Date: : 12/14/2010
Telephone : (416) 421-3300**SECTION 2 - HAZARDS IDENTIFICATION****Emergency Overview**

Clear. Liquid. May cause moderate irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of EntryInhalation : May cause moderate irritation to the respiratory system. May cause nausea, headaches, and dizziness. May cause drowsiness, weakness, and fatigue.
Eyes : Vapor and/or mist may cause eye irritation. Direct contact may cause temporary redness and discomfort.
Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea, and vomiting.
Skin : May cause moderate irritation.**Aggravated Medical Conditions**

Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Prolonged or repeated exposure to xylene may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, heart muscle sensitization and arrhythmia, hearing loss, and brain, liver, kidney damage. Xylene overexposure may affect fetal development. Prolonged or repeated contact/exposure to aromatic petroleum distillates may cause defatting, drying, and irritation of the skin, dermatitis, and central nervous system (CNS) effects. Di(2-ethylhexyl) phthalate, (dioctyl phthalate) given in the diet, produced increased incidence of liver cancers in female rats and male and female mice. An increased incidence of liver cancers or neoplasms were observed in male rats. The International Agency for Research on

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Cancer (IARC) has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Styrene was reported to cause liver and kidney damage in experimental animals at high levels of exposure. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

Target Organs: Skin, Eye, Lung, Liver, Kidney, Nerve, Reproductive

SECTION 3 : HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Weight % Range
Aromatic petroleum distillates	64742-95-6	40.0 - 70.0
1,2,4-Trimethylbenzene	95-63-6	15.0 - 40.0
1,3,5-Trimethylbenzene	108-67-8	5.0 - 10.0
Diethylbenzene, Mixed Isomers	25340-17-4	1.0 - 5.0
Cumene	98-82-8	1.0 - 5.0
Diocetyl phthalate	117-81-7	1.0 - 5.0
Xylene	1330-20-7	0.5 - 1.5
Ethylbenzene	100-41-4	0.1 - 1.0
Styrene	100-42-5	0.1 - 1.0

The ingredients listed above are hazardous as defined in the controlled products regulation. (CPR).

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	:	Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact	:	Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
Skin contact	:	Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	:	Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5: FIRE / EXPLOSION HAZARDS

Flash point	:	110 F, 43 C
Method	:	Setaflash Closed Cup
Lower explosion limit	:	1.0 %(V) Solvent
Upper explosion limit	:	7.0 %(V) Solvent
Autoignition temperature	:	Not available.
Extinguishing media	:	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products	:	Smoke, fumes. Carbon monoxide and carbon dioxide can form. Nitrogen oxides can form.



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- Protective equipment for firefighters : Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA). Water may be used to cool containers to minimize pressure build-up.
- Fire and explosion conditions : Vapor concentrations in enclosed areas may ignite explosively. Product may ignite if heated in excess of its flash point. Vapors may travel to sources of ignition and flashback. Closed container, may burst when exposed to extreme heat. Empty containers may contain ignitable vapors.

SECTION 6 - SPILLS / LEAKS / ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

SECTION 7 - HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. To prevent generation of static discharges, use bonding/grounding connection when pouring liquid. Extinguish all ignition sources including pilot lights, non-explosion proof motors and electrical equipment until vapors dissipate. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Keep container closed when not in use. Vapor may migrate to sources of ignition. Do not smoke, weld, generate sparks, or use flame near container. Store in sealed containers in a cool, dry, ventilated warehouse location.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

- Respiratory protection : Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
- Hand protection : Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
- Eye protection : Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
- Protective measures : Use professional judgment in the selection, care, and use. Inspect and replace equipment at regular intervals.
- Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
1,2,4-Trimethylbenzene	95-63-6	Ontario TWAEV: ACGIH TWA:	123 mg/m3 25 ppm	

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Chemical Name	CAS Number	Regulation	Limit	Form
1,3,5-Trimethylbenzene	108-67-8	Ontario TWAEV: ACGIH TWA:	123 mg/m3 25 ppm	
Cumene	98-82-8	Ontario TWAEV: ACGIH TWA:	245 mg/m3 50 ppm	
Diocetyl phthalate	117-81-7	Ontario TWAEV: Ontario STEV: ACGIH TWA:	3 mg/m3 5 mg/m3 5 mg/m3	
Xylene	1330-20-7	Ontario TWAEV: Ontario STEV: ACGIH TWA: ACGIH STEL:	435 mg/m3 650 mg/m3 100 ppm 150 ppm	
Ethylbenzene	100-41-4	Ontario TWAEV: Ontario STEV: ACGIH TWA: ACGIH STEL:	435 mg/m3 540 mg/m3 100 ppm 125 ppm	
Styrene	100-42-5	Ontario TWAEV: Ontario STEV: ACGIH TWA: ACGIH STEL: Ontario TWAEV: Ontario STEV:	35 ppm 100 ppm 20 ppm 40 ppm 35 ppm 100 ppm	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Form	: Liquid
Color	: Clear
Odor	: Aromatic Solvent
pH	: Not available.
Vapour pressure	: Not available.
Vapor density	: Heavier than air
Melting point/range	: Not available.
Freezing point	: Not available.
Boiling point/range	: Approximate 327.5 °F, 164 °C
Water solubility	: Negligible
Evaporation Rate:	: Not available.
Specific Gravity	: 0.90
% Volatile Weight	: 74 %

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SECTION 10 - REACTIVITY / STABILITY

Substances to avoid : Oxidizing agents.Strong acids.Strong bases.

Stability : Stable under normal conditions. Avoid welding arcs, flames or other high temperature sources.

Hazardous polymerization : Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Cumene, CAS-No.: 98-82-8
 Acute oral toxicity (LD-50 oral) 2,910 mg/kg (Rat) 1,400 mg/kg (Rat)
 Acute inhalation toxicity (LC-50) 2,000 mg/l for 7 h (Mouse) 8,000 mg/l for 4 h (Rat) 24.7 mg/l for 2 h (Mouse)

Dioctyl phthalate, CAS-No.: 117-81-7
 Acute oral toxicity (LD-50 oral) 25,000 mg/kg (Rat) 25,000 mg/kg (Rat) 30,000 mg/kg (Mouse) 33,900 mg/kg (Rabbit) 26,300 mg/kg (Guinea pig)
 Acute dermal toxicity (LD-50 dermal) 25,000 mg/kg (Rabbit) 10,000 mg/kg (Guinea pig) 25,000 mg/kg (Rabbit)

Xylene, CAS-No.: 1330-20-7
 Acute oral toxicity (LD-50 oral) 4,300 mg/kg (Rat) 1,590 mg/kg (Mouse) 6,670 mg/kg (Rat) 3,523 - 8,600 mg/kg (Rat) 5,627 mg/kg (Mouse)
 Acute inhalation toxicity (LC-50) 6,350 mg/l for 4 h (Rat) 3,907 mg/l for 6 h (Mouse) 8,000 mg/l for 4 h (Rat)

Ethylbenzene, CAS-No.: 100-41-4
 Acute oral toxicity (LD-50 oral) 5,460 mg/kg (Rat) 3,500 mg/kg (Rat)
 Acute dermal toxicity (LD-50 dermal) 17,800 mg/kg (Rabbit)

Styrene, CAS-No.: 100-42-5
 Acute oral toxicity (LD-50 oral) 5,000 mg/kg (Rat) 1,000 mg/kg (Rat) 316 mg/kg (Mouse)
 Acute inhalation toxicity (LC-50) 4,940 mg/l for 2 h (Mouse) 2,770 mg/l for 4 h (Rat) 24 mg/l for 4 h (Rat)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Disposal Method : Dispose according to all applicable regulations (hazardous household waste depot, or as liquid industrial waste for industrial product).



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SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:
NOT REGULATED

SECTION 15 - REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

Canadian Regulations:

WHMIS Classification : B3, D2A, D2B
This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Other Regulations:

Regulatory VOC (less water and exempt solvent) : 666 g/l

SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	2
Flammability	2
Reactivity	0
PPE	

0 = Minimum
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Sewnauth Raghunandan

Legend

ACGIH - American Conference of Governmental Hygienists	OSHA - Occupational Safety and Health Administration
DOT - Department of Transportation	PEL - Permissible Exposure Limit
DSL - Domestic Substance List	RCRA - Resource Conservation and Recovery Act
EPA - Environmental Protection Agency	STEL - Short Term Exposure Limit
HMIS - Hazardous Materials Information System	TLV - Threshold Limit Value
IARC - International Agency for Research on Cancer	TSCA - Toxic Substances Control Act
MSHA - Mine Safety Health Administration	TWA - Time Weighted Average
NDSL - Non-Domestic Substance List	V - Volume
NIOSH - National Institute for Occupational Safety and Health	VOC - Volatile Organic Compound



EUCLID CHEMICAL

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NTP - National Toxicology Program

WHMIS - Workplace Hazardous Materials Information System