

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **740-012 RESLACKSEALER EXTRA**

Supplier - Manufacturer **Chemcraft® International Inc.**

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Code 740-012

Synonym RESLACK SEALER EXTRA

Chemical Name Not applicable.

Chemical Family Synthetic polymer in organic solvent. (Paint.)

Chemical Formula Not applicable.

Material Uses Coatings: Surface coatings and finishes.

Product Identification Number (PIN) 1263 PAINT

Section 2. Hazardous Ingredients

Exposure limits

Name	CAS #	% by Weight	LC ₅₀ /LD ₅₀	TLV/PEL
Styrene	100-42-5	30 - 50	ORAL (LD50): Acute: 2820 mg/kg [Rat]. VAPOR (LC50): Acute: 2770 mg/l 4 hour/hours [Rat].	OSHA (United States). TWA: 100 ppm ACGIH (United States, 2000). TWA: 200 ppm STEL: 40 ppm NIOSH TWA: 50 ppm STEL: 100 ppm TWA: 215 mg/m ³ STEL: 425 mg/m ³
Acetone	67-64-1	1 - 5	ORAL (LD50): Acute: 5800 mg/kg [Rat]. 3000 mg/kg [Mouse]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit].	ACGIH (United States, 1997). TWA: 500 ppm STEL: 750 ppm TWA: 1188 mg/m ³ STEL: 1782 mg/m ³
Zinc Stearate	557-05-1	1 - 5	Not available.	ACGIH (United States). TWA: 10 mg/m ³ CEIL: 20 mg/m ³
Silica, amorphous	7631-86-9	1 - 5	ORAL (LD50): Acute: 3160 mg/kg [Rat].	OSHA (United States). TWA: 6 mg/m ³

Trace impurities and additional material names not listed above may appear in other sections of this MSDS. These materials may be listed for toxicological concerns, local compliance, or other reasons.

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Section 3. Physical Data

Physical State and Appearance	Liquid.
Color	Not available.
Odor	Not available.
Taste	Not available.
Molecular Weight	Not applicable.
pH (1% soln/water)	Not applicable.
Boiling Point	The lowest known value is 56.2°C (133.2°F) (2-Propanone). Weighted average: 133.97°C (273.1°F)
Melting Point	May start to solidify at -31°C (-23.8°F) based on data for: Benzene, ethenyl-. Weighted average: -39.12°C (-38.4°F)
Critical Temperature	Not available.
Specific Gravity	1.0663 (Water = 1)
Vapor Pressure	The highest known value is 24.1 kPa (181 mm Hg) (at 20°C) (2-Propanone). Weighted average: 3.65 kPa (27.38 mm Hg) (at 20°C)
Vapor Density	The highest known value is 3.6 (Air = 1) (Benzene, ethenyl-). Weighted average: 3.4 (Air = 1)
Volatility	Not available.
Odor Threshold	The lowest known value is 0.1 ppm (Benzene, ethenyl-) Weighted average: 0.34 ppm
Water/Oil Dist. Coeff.	The product is much more soluble in octanol.
Ionicity (in Water)	Not available.
Dispersion Properties	Partially dispersible in methanol, diethyl ether. Not dispersible in cold water, hot water. See solubility in methanol, diethyl ether, n-octanol, acetone.
Solubility	Easily soluble in methanol, diethyl ether, acetone. Soluble in n-octanol. Insoluble in cold water, hot water.

Section 4. Fire and Explosion Hazard

The Product is:	Flammable.
Fire Hazards in Presence of Various Substances	Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat. Non-flammable in the presence of the following materials or conditions: oxidizing materials, reducing materials, combustible materials and moisture.
Fire Fighting Media and Instructions	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray or fog. Never direct a water jet into the container in order to prevent any splashing of the product, which could cause the fire to spread. Cool containers with water jet in order to prevent pressure build-up, auto-ignition or explosion.
Special Remarks on Fire Hazards	FLAMMABLE. (2-Propanone)
Flash Points	The lowest known value is Closed cup: -18°C (-0.4°F). (T.C.C.). (2-Propanone)
Flammable Limits	The greatest known range is Lower: 2.6% Upper: 12.8% (2-Propanone)
Auto-Ignition Temperature	The lowest known value is 465°C (869°F) (2-Propanone).
Products of Combustion	These products are carbon oxides (CO, CO ₂). Some metallic oxides.
Explosion Hazards in Presence of Various Substances	Highly explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.
Special Remarks on Explosion Hazards	Not available.

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Section 5. Reactivity Data

Stability	The product is stable.
Decomposition products	Not available.
Conditions of Instability	Avoid contact with oxidizing agents. (Benzene, ethenyl-)
Incompatibility with various substances	Highly reactive or incompatible with the following materials: oxidizing materials. Reactive or incompatible with the following materials: acids and alkalis. Slightly reactive or incompatible with the following materials: reducing materials.
Corrosivity	Not available.
Special Remarks on Reactivity	High temperatures, inhibitor depletion, accidental impurities, exposure to radiation, oxidizers may cause spontaneous reaction generating heat and or pressure. Closed containers may rupture or explode during runaway polymerization. (Benzene, ethenyl-)
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 2820 mg/kg [Rat]. (Benzene, ethenyl-). Acute dermal toxicity (LD50): 20000 mg/kg [Rabbit.]. (2-Propanone). Acute toxicity of the gas (LC50): 44000 mg/m ³ 4 hour/hours [Mouse]. (2-Propanone). Acute toxicity of the vapor (LC50): 2770 mg/l 4 hour/hours [Rat]. (Benzene, ethenyl-).
Effects of Acute Exposure	Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified 2B (Possible for humans.) by IARC [Benzene, ethenyl-]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [Benzene, ethenyl-]. Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [2-Propanone]. Classified D (Not classifiable for humans or animals.) by EPA [2-Propanone]. Classified 4 (Probably not for humans.) by IARC, None. by OSHA [Octadecanoic acid, zinc salt]. Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC [Acetic Acid, Ethyl Ester]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Classified None. for humans [2-Propanone]. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, kidneys, lungs, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
Special Remarks on Toxicity to Animals	In laboratory inhalation studies, birth defects, increased foetal lethality and delayed foetal development have been observed in offspring of female animals, exposed during pregnancy, with a threshold response level in the range of 545 ppm concentration in the air. (1-Propanol, 2-methoxy-, acetate)
Special Remarks on Chronic Effects on Humans	Animal embryotoxic. Postnatal development injury in animal. Menstrual disorders in human. Human: passes the placental barrier, detected in maternal milk. (Benzene, ethenyl-)
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (2-Propanone)
Exposure Limits	Not available.

Section 7. Preventive Measures

Personal Protection	Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Impervious gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

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Small Spill	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.	
Large Spill	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not allow water to enter container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas. Dike if necessary. Call for assistance on disposal.	
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	
Precautions	Keep locked up. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, alkalis.	
Storage	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).	
TDG Classification	3	
PIN	1263 PAINT	PG: II
Special Provisions for Transport	-	
Federal and State Regulations	<p>WARNING: This product contains chemical/chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Benzene; Quartz (SiO₂)</p> <p>WARNING: This product contains chemical/chemicals known to the state of California to cause reproductive harm (male): Benzene</p> <p>WARNING: This product contains chemical/chemicals known to the state of California to cause birth defects or other reproductive harm.: Benzene</p> <p>WARNING: This product contains chemical/chemicals known to the state of California to cause cancer.: Benzene; Quartz (SiO₂)</p> <p>Illinois toxic substances disclosure to employee act: Benzene, ethyl-</p> <p>New York release reporting list: Benzene, ethenyl-; Acetic Acid, Ethyl Ester</p> <p>New York acutely hazardous substances: Benzene, ethyl-</p> <p>Rhode Island RTK hazardous substances: Acetic Acid, Ethyl Ester; Benzene, ethyl-</p> <p>Pennsylvania RTK: Benzene, ethenyl-; Acetic Acid, Ethyl Ester; Benzene, ethyl-; Benzene, dimethyl-; 1,2-Propanediol</p> <p>Florida: Benzene, ethenyl-; Acetic Acid, Ethyl Ester; Benzene, ethyl-</p> <p>Minnesota: Benzene, ethenyl-; Acetic Acid, Ethyl Ester; Benzene, ethyl-</p> <p>Massachusetts RTK: Benzene, ethenyl-; Acetic Acid, Ethyl Ester; Benzene, ethyl-</p> <p>New Jersey: Benzene, ethenyl-; Acetic Acid, Ethyl Ester; Benzene, ethyl-</p> <p>TSCA 8(b) inventory: Benzene, ethenyl-; Acetic Acid, Ethyl Ester; Benzene, ethyl-; Benzene, dimethyl-</p> <p>TSCA 5(e) substance consent order: Acetic Acid, Ethyl Ester</p> <p>TSCA 8(d) H and S data reporting: Benzene, ethyl-</p> <p>TSCA 12(b) annual export notification: Acetic Acid, Ethyl Ester</p> <p>CERCLA: Hazardous substances.: Benzene, ethenyl-: 1000 lbs. (453.6 kg); Acetic Acid, Ethyl Ester; Isobutyl alcohol; Benzene, ethyl-: 1000 lbs. (453.6 kg); Benzene, dimethyl-: 100 lbs. (45.36 kg); Acetone;</p>	
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
Other Classifications	WHMS (Canada)	<p>Class B-2: Flammable liquid</p> <p>Class D-2A: Material causing other toxic effects (Very toxic).</p> <p>Class D-2B: Material causing other toxic effects (Toxic).</p>
	HCS (U.S.A.)	Contains material which may cause cancer Toxic Target organ effects
Hazardous Material Information System (U.S.A.)	Health Hazard	* 1
	Fire Hazard	3
	Reactivity	0

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	Personal Protection	G
National Fire Protection Association (U.S.A.)	Health	1
	Fire Hazard	3
	Reactivity	0
	Specific Hazard	

Section 8. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact	Wash with soap and water. Get medical attention if irritation develops.
Hazardous Skin Contact	Not available.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Hazardous Inhalation	Move the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion	Do not induce vomiting. Examine the lips and mouth to ascertain if the tissues are damaged, a possible indication that toxic material was ingested. The absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Hazardous Ingestion	Not available.

Section 9. Preparation Information

References	-Manufacturers Material Safety Data Sheets.
Other Special Considerations	Not available.
Related Information	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.
Preparation Information	Validated by K. William on 11/10/2006. Verified by K. William. Printed 1/29/2007.
Information Contact	Prepared by the Health, Safety and Environment Department, Chemcraft International Inc., P.O. Box 458, 155, Rose Glen Road North, Port Hope, ON, Canada. Phone: 905 885-6388 Fax: 905 885-5097

Notice to Reader

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