



Rymar LLC
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8100

SAFETY DATA SHEET

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1.0 PRODUCT AND SUPPLIER IDENTIFICATION

PRODUCT CLASS	TRADE NAME	MFG PRODUCT NO.
INDUSTRIAL COATING PRODUCT	8100 CLEAR CEDAR SHAKE SEALER	76-061X-1

Identified Uses: CONSUMER PRODUCT, RESINS AND PAINT RELATED MATERIALS

Supplier: RYMAR LLC.
6620 North CTH J
CATO, WI 54230

Emergency Contact: Transportation Emergency (24 hour) 1-800-924-6804

Other Contacts Customer Service (866) 287-9627
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2.0 HAZARDS IDENTIFICATION

Classification	Cat	HCODE	Description
Suspect reproductive toxicity	2	H361	Suspected of damaging fertility or the unborn child
Skin irritation	2	H315	Causes skin irritation
Eye irritant 2A	2	H319	Causes serious eye irritation
Acute toxicity oral	4	H302	Harmful if swallowed
Acute toxicity dermal	4	H312	Harmful in contact with skin
Flammable liquid	4	H227	Combustible liquid
Acute toxicity inhaled gases/vapors/dust/mist	4	H332	Harmful if inhaled
Skin sensitizer 1B	1	H317	May cause an allergic skin reaction
Presumed human carcinogen 1B	2	H351	Suspected of causing cancer

Precautionary Statements:

Obtain special instructions before use, read SDS and product specification sheet.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as specified in section 8.
IF exposed or concerned: Get medical advice/attention.
Store locked up, KEEP AWAY FROM CHILDREN.
Wash face, hands, and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/ face protection.
IF ON SKIN: Wash with soap and water.
See specific treatment for first aid in SDS section 4.
If skin irritation occurs: Get medical advice/attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing eyes.
If eye irritation persists: Get medical advice/attention.
Do not eat, drink or smoke when using this product.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Rinse mouth.
Dispose of contents/container to licensed waste facility in accordance with local and national regulations, see SDS section 13 for additional information.

Call a POISON CENTER or doctor/physician if you feel unwell.
See specific measures for safe handling in SDS sections 7 and 13.
Wash contaminated clothing before reuse.
Keep away from heat/sparks/open flames/hot surfaces. NO SMOKING.
In case of fire: See SDS section 5 for specific fire extinguishing agents.
Store in a well ventilated place. Keep cool.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Contaminated work clothing should not be allowed out of the workplace.
If skin irritation or a rash occurs: Get medical advice/attention.

Signal Word: WARNING



Other hazards which do not result in classification:

Use in a well ventilated area.
Use in a well ventilated area.
Do not take internally. Do not get in eyes or on skin.
Wear protective clothing.
May cause eye and skin irritation.
May cause irritation of the respiratory tract.
Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling.
Take precautionary measures against static discharge.
May cause allergic reaction in special sensitive persons.
This product contains a compound that is toxic to fish.



3.0 COMPOSITION AND INFORMATION ON INGREDIENTS

INGREDIENT	CAS#	ACGIH TLV		ACGIH STEL		OSHA PEL		OSHA CEILING		LEL % VOLUM	VAPOR PRESS		% BY Wght
		PPM	mg/m3	PPM	mg/m3	PPM	mg/m3	PPM	mg/m3		mm/Hg	DEG F	
NON-HAZARDOUS COMPONENT: Water	7732-18-5	-----	-----	-----	-----	-----	-----	-----	-----	-----	17.50 @ 68.	72.6	
C Glycol Ether Compd. (skin)	111-76-2	20.00	97.00	-----	-----	50.00	240.0	-----	-----	1.100	0.600 @ 68.	1.99	
Propylene Glycol Compound	25498-49-1	-----	-----	-----	-----	-----	-----	-----	-----	1.100	0.020 @ 68.		

C -This toxic chemical is subject to the reporting requirements of both Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372) and the Wisconsin Dept. of Natural Resources Administrative Code Chapter NR445.

VHAP = VOLATILE HAZARDOUS AIR POLLUTANT (VAPOR)

HAP = HAZARDOUS AIR POLLUTANT (SOLID)

(skin) = OSHA Skin Absorption Hazard

VOC content determined by EPA method 24.

	BY WEIGHT	BY VOLUME
PERCENT SOLIDS	: 22.38	21.68
PERCENT WATER	: 72.68	72.63
PERCENT NON-EXEMPT SOLVENT	: 4.88	5.62
PERCENT EXEMPT SOLVENT	: .06	.07
VOC (WITH WATER AND EXEMPT SOLV)	: .41 LBS/GAL	49.13 GMS/LITER
VOC (LESS WATER AND EXEMPT SOLV)	: 1.49 LBS/GAL	178.56 GMS/LITER
PERCENT HAPS BY WEIGHT	: HAPS FREE	
VOC LBS PER GALLON SOLIDS	: 1.89	
VOC KILOGRMS PER KILOGRMS SOLIDS	: .22	
VOC HAPS LBS PER GALLON SOLIDS	:	
VOC HAPS LBS PER LBS SOLIDS	:	

4.0 FIRST AID MEASURES

GENERAL ADVICE: If you feel unwell seek advice immediately. Physicians: treat exposures symptomatically & supportively.

FIRST AID FOR EYE CONTACT: Flush eyes and eyelids with large amounts of water for at least 20 minutes. Hold eyelids apart to ensure flushing of the entire contaminated area. Get assistance from others to ensure proper eye flushing. Remove any contact lenses. Get prompt medical attention.

FIRST AID FOR SKIN CONTACT: Remove contaminated clothing and contaminated shoes. Wash all affected areas with soap and water for at least 20 minutes. Seek medical assistance.

FIRST AID FOR INHALATION: Move to an area free of further exposure or risk. Administer oxygen or artificial respiration as needed. Get prompt medical attention.

FIRST AID FOR INGESTION: Get IMMEDIATE medical attention. Rinse mouth with water. Remove dentures if any. Remove to fresh air and keep at rest in a comfortable breathing position. Aspiration hazard if swallowed. Can enter lungs.

DO NOT INDUCE VOMITING. Keep head low so that any fluids do not enter the lungs. Never give anything by mouth to an unconscious or convulsive person. If unconscious, place in recovery position with airway open. Loosen tight clothing.

IF A LARGE QUANTITY IS INGESTED, CALL A POISON CENTER OR CONTACT A LOCAL EMERGENCY MEDICAL SERVICE AT ONCE.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known, no specific information available.

5.0 FIRE FIGHTING MEASURES



EXTINGUISHING MEDIA: Water based product. This product does not sustain combustion. If water has boiled off this product may exhibit properties of NPFA class II, IIIA or IIIB liquids. Class B fire extinguishers may be used.

UNUSUAL FIRE & EXPLOSION HAZARDS: Water based product. Sealed containers may explode if exposed to extreme heat. Frozen containers may expand and leak contents when thawed. Water soluble liquids are non-accumulators of static charge. Static protection precautions such as container bonding or grounding would not be necessary. Flash point listed as N/A or not applicable due to the presence of water.

SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure buildup. Use water spray to cool fire exposed containers if they cannot be safely moved. Keep people away from firefighting operations involving chemicals. Firefighters wear a self-contained positive pressure breathing apparatus in addition to full protective gear.

WARNING: This product when heated to temperatures in excess of 300 deg. F may form formaldehyde vapors. Formaldehyde is a potential carcinogen and known skin and respiratory sensitizer. Formaldehyde vapors may irritate eyes.

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6.0 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dike spill area and collect with inert absorbent material. Ventilate adequately, avoid breathing vapors, use proper respiratory protection. Avoid contact, Section 8 lists PPE requirements. Follow all local, state, provincial and/or federal spill rules. Collect spill with non-sparking tools into a suitable container. Spill surface may be slippery. Scrub area with soap and water, contain all residue.

ENVIRONMENTAL CONCERNS: Follow all local, state, provincial and/or federal spill notification procedures. Do not flush into sewers, drains or waterways.

WASTE DISPOSAL CONSIDERATIONS: Waste must be disposed in accordance with local, state, provincial and/or federal regulations. Empty containers must be handled with care as they retain product residue. Before disposing containers, remove as much residue as possible. Do not reuse containers until they are properly recycled. Check Section 13 for waste disposal options. Follow all label and SDS warnings.

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7.0 HANDLING AND STORAGE

ADVICE ON SAFE HANDLING: Wash hands thoroughly after handling. Wear proper PPE, eye protection, gloves and respirator. Maintain good housekeeping. Eye wash stations should be available in the workplace. Avoid puncturing the container, do not drag or drop. Spray operations must protect the worker from both vapors & spray/mist overspray. Keep from Freezing.

CONDITIONS FOR SAFE STORAGE: Do not store below 40 degrees F or above 120 degrees F. Keep closures tight and container upright to avoid leakage. Store in a dry location. Store in original container. Maintain adequate ventilation. Do not store in unlabeled containers.

NOTE: Keep from freezing.

NOTE: Keep containers closed when not in use. Protect from direct sunlight.

CONDITIONS FOR SAFE STORAGE: Follow safe warehousing procedures. Avoid puncturing the container. Keep containers away from excessive heat. KEEP FROM FREEZING!

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8.0 EXPOSURE CONTROL / PERSONAL PROTECTION

SELECTING PROTECTIVE EQUIPMENT AND CLOTHING: When choosing personal protective equipment and clothing, consider each worker's environment, ventilation, temperature, all chemical exposures and any other adverse physical conditions. The level of protection needed for eye/skin, respiratory and other protection should be part of an ongoing job safety analysis conducted by the end user and supervisor. Safety Data Sheet Sections 2,3,8 and 11 should be consulted.



EXPOSURE CONTROLS: Provide sufficient mechanical or natural ventilation or exhaust to maintain exposures below limit guidelines or below levels that cause known, suspect or apparent side effects or the formation of dust or vapors.

Allow easy access to emergency shower/eye wash facilities. Wash any contaminated clothing before reuse.

SKIN PROTECTION: Chemical resistant gloves are recommended. Use neoprene, Viton or butyl rubber. If nitrile gloves are used they should be approved for exposure to the chemicals listed in section 2. The use of barrier creams should be minimized. Chemical resistant footwear and outer garment are recommended to prevent skin absorption. Consult your safety supply vendor for optimum personal protection equipment.

EYE PROTECTION: Eye protection should be worn in any type of industrial operation. The use of safety glasses with side shields (or goggles) and a face shield is recommended to prevent against liquid splash. Contact lenses should not be worn.

VENTILATION: Provide sufficient ventilation to keep hazards at levels below current ACGIH TLV and OSHA PEL exposure levels for the hazardous ingredients listed in Section 3. Use explosion-proof ventilation equipment. Provide proper respiratory protection if ventilation or exhaust is inadequate.

RESPIRATORY PROTECTION: In outdoor or open areas with good ventilation additional precautions should not be needed. If exposure limits are exceeded or if irritation is experienced, use a NIOSH approved respirator. Use a SCBA for confined spaces or poor ventilation. Follow the OSHA prescribed respiratory protection program guidelines for the chemicals found in Section 3. Consult your safety supplier for the correct respirator system specifications.

OTHER PROTECTIVE EQUIPMENT: Using a suit or apron to prevent contamination of clothing is recommended. Prevent prolonged skin contact with contaminated clothing. Remove and wash all contaminated clothing before re-use. Never wear contaminated clothes or shoes away from the workplace. Use an industrial type professional cleaning service, do not wash at home. Use flame retardant, antistatic protective clothing and antistatic protective shoes.

Exposure Limits For cobalt (elemental & inorganic compounds) OSHA (PEL): TWA = 0.05 mg/m3. ACGIH (TLV): TWA = 0.02 mg/m3.

Exposure Limits For zirconium compounds: OSHA (PEL): TWA = 5 mg/m3. ACGIH (TLV): TWA = 5 mg/m3, (TLV): STEL = 10 mg/m3.

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9.0 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	N/A LIQUID
ODOR	Chemical
ODOR THRESHOLD (ppm)	.1
pH	7.3-7.7
FREEZING POINT	32 Degrees Fahrenheit, 0 Degrees Celsius
BOILING RANGE	212-490 F
FLASH POINT	N/A
EVAPORATION RATE	SLOWER THAN WATER
LEL% BY VOLUME	SEE SECTION 3
VAPOR PRESSURE	SEE SECTION 3
VAPOR DENSITY	HEAVIER THAN AIR
RELATIVE DENSITY (lbs/gal)	8.3244
SOLUBILITY	SOLUBLE IN WATER
AUTOIGNITION TEMP	>500 degrees Fahrenheit
DECOMPOSITION TEMP	(Not determined)
VISCOSITY	18-20/2 ZAHN CUP

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10.0 STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal storage conditions.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid freezing, avoid high heat. Never use pressure to empty. Do not drag, puncture or drop containers. Do not stack pails over 4 high.



INCOMPATIBILITIES: Keep away from all oxidizing materials. May form explosive peroxides of unknown stability. Material can react violently with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May decompose to oxides of carbon, nitrogen, phosphorous, chlorine and/or sulphur. May also break down to release other irritating or toxic fumes if exposed to fire conditions.

ADDITIONAL DECOMPOSITION PRODUCTS: Gases containing chlorine and fluorine may be produced.

ADDITIONAL DECOMPOSITION PRODUCTS: Hydrogen fluoride and other toxic fluorinated compounds may be formed at high temperatures and during combustion. Excessive overexposure to these toxic chemicals could lead to delayed pulmonary edema and damage to liver and kidneys.

11.0 TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Ingestion, inhalation, eye contact, skin contact absorption.

ACUTE TOXICITY ORAL: LD50 (rat): >2,000 mg/kg

ACUTE TOXICITY DERMAL: LD50 (rat): >1,000 mg/kg

ACUTE TOXICITY INHALATION: LC50 (rat, 4h): >500 mg/m³

SKIN CORROSION/IRRITATION: Causes moderate to severe skin irritation. May cause skin harm.

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation and may cause eye harm.

RESPIRATORY SENSITIZATION: Non-sensitizing.

SKIN SENSITIZATION: May cause sensitization in susceptible individuals. May cause allergic reactions.

SINGLE DOSE TOXICITY: May have acute toxicity properites or specific target organ toxicity in acute exposures. See specific information in section 2 of this SDS.

REPEATED DOSE TOXICITY: Chronic overexposure may cause damage to the liver, spleen, lymph node and gastrointestinal system. See specific target organs listed in Section 2.

ASPIRATION HAZARD: Aspiration may cause chemical pneumonitis and/or pulmonary edema as evidenced by coughing, labored breathing, cyanosis (bluish skin) or if severe aspiration may be fatal.

REPRODUCTIVE TOXICITY: Some evidence of adverse effects on sexual function and fertility, and/or development, based on animal lab testing.

GERM CELL MUTAGENICITY: Positive as well as negative results were found in mutagenicity testing.

OTHER EFFECTS: Narcotic CNS effect. May cause drowsiness or dizziness. Intentional misuse by deliberately concentrating & inhaling vapors from this product may be harmful or fatal.

EFFECTS OF OVEREXPOSURE: There is no applicable information available regarding the carcinogen potential for this product as a whole, however any relevant information regarding any ingredient status as a potential, suspect, or confirmed carcinogen is listed in section 11 of the SDS.

This product contains a cobalt compound which has been listed by ACGIH as an A-3 animal carcinogen. IARC has classified cobalt and cobalt compounds as possible human carcinogens (CLASS 2B).

CARCINOGEN POTENTIAL: This product contains cumene CAS# 98-82-8 which is listed by IARC as a group 2B possible human carcinogen and by ACGIH as a confirmed animal carcinogen with unknown relevance to humans.

CARCINOGEN POTENTIAL: Ethylbenzene CAS# 100-41-4 is present in this product. Ethylbenzene has been classified by IARC as a possible human carcinogen group 2B.

12.0 ECOLOGICAL INFORMATION

ECOTOXICITY FISH: LC50 (rainbow trout, 4d): > 1,000 mg/l

ECOTOXICITY AQUATIC PLANTS: EC50 (algae, 3d): > 500 mg/l

ECOTOXICITY AQUATIC INVERTEBRATES: EC50 (daphnia magna, 48h) > 1,000 mg/l

ECOTOXICITY MICROORGANISMS: EC50 (bacteria, 3h): >4,000 mg/l

PERSISTENCE AND DEGRADABILITY: Partially soluble in water. This product is predicted to partially degrade in soil and water.

BIOACCUMULATION / ACCUMULATION: Very low potential.

MOBILITY IN SOIL: This product contains materials that show slight mobility in soil.

OTHER ADVERSE ECOLOGICAL EFFECTS: No data available.



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This product contains toluene (toluol) which is on the Pennsylvania Right-to-Know List: CAS# 108-88-3
REGULATORY INFORMATION: This product contains a Clean Water Act pollutant; Toluene. Do not allow this product to be spilled into or near watersheds or bodies of water.

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16.0 OTHER INFORMATION

NOTICE: The HMIS rating for this material involves data and interpretations compiled from the various material suppliers of the component ingredients. This information will vary from supplier to supplier. The rating is intended for rapid and general identification of this product's hazards. To adequately deal with the safe handling of this material, all information contained in the SDS must be reviewed as part of an ongoing Hazard Communication Program.

This safety data sheet was prepared to comply with the U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200 and the international GHS recommendations. The most current dated copy supersedes any previous dated information. Older information should be deleted to avoid confusion. VOC data determined by US EPA method 24.

DEFINITIONS: HAP = Hazardous Air Pollutant VHAP = Volatile Hazardous Air Pollutant

PRODUCT OF THE UNITED STATES

Chemical percent by weight as listed in Section 3.0 is the targeted formulation quantity. Batch variation does occur and actual quantities may slightly differ.

HAZARD RATING	0 - MINIMAL	3 - SERIOUS
	1 - SLIGHT	4 - SEVERE
	2 - MODERATE	* - CHRONIC

HMIS RATING HEALTH - * 2 FLAMMABILITY - 0 REACTIVITY - 0

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