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## 1.0 PRODUCT AND SUPPLIER IDENTIFICATION

<b>PRODUCT CLASS</b>	<b>TRADE NAME</b>	<b>MFG PRODUCT NO.</b>
CONSUMER PRODUCT	OXALIC ACID IRON REMOVER	40-0361B

**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  
rymar@rymarindustries.com

www.rymarindustries.com

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## 2.0 HAZARDS IDENTIFICATION

Classification	Cat	HCODE	Description
Specific target organ toxicity acute narcotic effects (CNS)	3	H336	May cause drowsiness or dizziness
Eye irritant mild 2B	2	H320	Causes eye irritation
Mild skin irritation	3	H316	Causes mild skin irritation

**Precautionary Statements:**

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

Call a POISON CENTER or doctor/physician if you feel unwell.

Store in a well ventilated place. Keep container tightly closed.

Wash face, hands, and any exposed skin thoroughly after handling.

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.

If skin irritation occurs: Get medical advice/attention.

Signal Word: WARNING



**Other Hazards Which Do Not Result In Classification:**

Use in a well ventilated area.

Do not take internally. Do not get in eyes or on skin.

Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling.



### 3.0 COMPOSITION AND INFORMATION ON INGREDIENTS

NT INGREDIENT	CAS#	ACGIH TLV		ACGIH STEL		OSHA PEL		OSHA CEILING		LEL %	VAPOR PRESS		% BY Wght
		PPM	mg/m3	PPM	mg/m3	PPM	mg/m3	PPM	mg/m3	VOLUM	mm/Hg	DEG F	
NON-HAZARDOUS COMPONENT: Water	7732-18-5	-----	-----	-----	-----	-----	-----	-----	-----	-----	17.50 @ 68.	83.9	
Oxalic Acid	144-62-7	-----	1.000	-----	2.000	-----	1.000	-----	-----	-----	-----	@ ---	
1,4-Dyhydroxybutane	110-63-4	-----	-----	-----	-----	-----	-----	-----	-----	-----	0.900 @ 77.		

### 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 the eyes and eyelids with plenty of water for at least 15 minutes. Hold eyelids apart to ensure flushing of the entire area. Remove contact lenses if present and easy to do. Get medical attention.

FIRST AID FOR SKIN CONTACT: Wash all affected areas with soap and water. Remove any contaminated clothing and wash before re-use. Get medical attention if irritation persists.

FIRST AID FOR INHALATION OF VAPORS: Remove to fresh air. Ensure airway is clear and breathing is comfortable. Monitor breathing. If breathing becomes difficult get medical help.

FIRST AID FOR INGESTION: Get medical attention. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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: Chronic pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema and asthma.

### 5.0 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water based product. Flashpoint for this product is listed as N/A or Not Applicable due to the presence of water. If water has boiled off, this product may exhibit properties of NFPA Class II, IIIA, or IIIB liquids. Extinguishing agents for Class B fires 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.

### 6.0 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Do not touch spilled material before utilizing protective equipment. See Section 8. Provide adequate ventilation to the spill area. Dike area with soda ash and spread soda ash liberally over the spillage. Mop up cautiously with plenty of water and contain all clean up materials. Follow local, state and federal spill notification rules.

ENVIRONMENTAL CONCERN: This product may contain a reportable quantity of a hazardous substance. Follow all local, state, provincial and/or federal reporting procedures. Do not allow product to enter drains, sewers or waterways. Consult a professional cleaning or waste disposal service. Treat both spill residue and empty container residue as hazardous.



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: 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 flammable vapors. Allow easy access to emergency shower/eye wash facilities.

SKIN PROTECTION: Required for routine or incidental contact. Use extended length acid resistant gauntlets to prevent skin contact. Do not use protective skin creams. Wear chemical resistant boots and chemical resistant apron or suit.

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 dust/ airborne particulates and organic vapor concentrations below OSHA personal exposure limits (PEL) of the chemicals listed in Section 3. Remove smoke or fumes formed by welding, flame cutting or grinding surfaces coated with this material. Provide proper respiratory protection if ventilation or exhaust is inadequate. Use explosion-proof ventilation equipment.

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: The use of chemical resistant protective suit is suggested. Avoid any skin contact with vapors, mists, or spray. Prevent contact of materials with clothing if possible. Remove and wash contaminated clothing before re-use. Use an industrial type professional cleaning service, do not wash at home. Do not wear contaminated clothing or shoes away from the workplace. Leather products contaminated with this product should be discarded.

Exposure Limits For Inert and Nuisance Dust Particulates Not Otherwise Classified: OSHA (PEL): TWA =15 mg/m3 (total dust) 5 mg/m3 (respirable fraction). ACGIH(TLV): TWA = 10 mg/m3 (total dust).

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## 9.0 PHYSICAL AND CHEMICAL PROPERTIES



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<b>APPEARANCE</b>	N/A LIQUID
<b>ODOR</b>	Chemical
<b>ODOR THRESHOLD (ppm)</b>	0
<b>pH</b>	N/A
<b>FREEZING POINT</b>	32 Degrees Fahrenheit, 0 Degrees Celsius
<b>BOILING RANGE</b>	212-752 F
<b>FLASH POINT</b>	N/A
<b>EVAPORATION RATE</b>	SLOWER THAN WATER
<b>LEL% BY VOLUME</b>	See Section 3
<b>VAPOR PRESSURE</b>	See Section 3
<b>VAPOR DENSITY</b>	HEAVIER THAN AIR
<b>RELATIVE DENSITY(lbs/gal)</b>	8.676
<b>SOLUBILITY</b>	SOLUBLE IN SOLVENT
<b>AUTOIGNITION TEMP</b>	>500 degrees Fahrenheit
<b>DECOMPOSITION TEMP</b>	(Not Determined)
<b>VISCOSITY</b>	N/A

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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:** Strong acids, strong alkalis, strong oxidizers. Avoid contact with halogens, chlorinated products and peroxides.

**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.

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## 11.0 TOXICOLOGICAL INFORMATION

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

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

**ACUTE TOXICITY DERMAL:** Not classified for acute toxicity.

**ACUTE TOXICITY INHALATION:** LC50 (rat, 4h): >4,000 mg/m3

**SKIN CORROSION/IRRITATION:** No data available.

**SERIOUS EYE DAMAGE/EYE IRRITATION:** No data available.

**RESPIRATORY SENSITIZATION:** No data available.

**SKIN SENSITIZATION:** No data available.

**SINGLE DOSE TOXICITY:** No data available.

**REPEATED DOSE TOXICITY:** Chronic overexposure may cause toxic effects. See specific target organs listed in section 2.

**ASPIRATION HAZARD:** May be harmful if swallowed and enters airways.

**REPRODUCTIVE TOXICITY:** No data available.

**GERM CELL MUTAGENICITY:** No data available.

**OTHER EFFECTS:** Repeated or prolonged exposure to some solvents has been associated with permanent brain and central nervous system damage. Intentional misuse by deliberately concentrating and 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.



Prolonged and continuous exposure to excessive concentration of dust of any kind without using a dust mask may have an adverse pulmonary effect on some people. This overexposure may result in coughing, sputum, and reduced lung capacity. Pre-existing asthmatic conditions may worsen. Persons with lung diseases should not work in dusty areas unless a physician certifies their fitness to wear a respirator. (OSHA 1910.134). Liquids do not pose a dust hazard.

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## 12.0 ECOLOGICAL INFORMATION

ECOTOXICITY FISH: No data available.  
ECOTOXICITY AQUATIC PLANTS: No data available.  
ECOTOXICITY AQUATIC INVERTEBRATES: No data available.  
ECOTOXICITY MICROORGANISMS: No data available.  
PERSISTENCE AND DEGRADABILITY: No data available.  
BIOACCUMULATION / ACCUMULATION: No data available.  
MOBILITY IN SOIL: No data available.  
OTHER ADVERSE ECOLOGICAL EFFECTS: No data available.

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## 13.0 DISPOSAL INFORMATION

WASTE DISPOSAL: Consult licensed waste handling and/or transportation facility. Follow local, state, provincial and federal waste regulations. Do not incorporate into municipal sewage treatment facilities. Empty containers retain product residue, follow label and SDS warnings even after container is emptied.  
CONTAMINATED PACKAGING: Empty remaining contents from containers. Empty containers should be disposed in a safe manner, do not allow residue to enter waterways.  
REGULATORY INFORMATION: This product contains a Marine Pollutant. Do not allow this product to be spilled into or near watersheds or bodies of water.

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## 14.0 TRANSPORTATION INFORMATION

PROPER SHIPPING NAME - NOT REGULATED FOR TRANSPORTATION  
SHIPPING LABEL - NO SHIPPING LABEL REQUIRED

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## 15.0 REGULATORY INFORMATION

SARA 311/312 Hazards:  
Acute Health Hazard  
Due to the presence of water, this product does not sustain combustion - USDOT 49CFR173.120(b) (3)  
SARA 302 HAZARDS: No chemicals in this product are subject to the reporting requirements of SARA Title III Section 302.  
SARA 304 HAZARDS: No chemicals in this product are subject to the reporting requirements of SARA Title III Section 304.  
TSCA: All chemical substances in this product are listed by the Toxic Substance Control Act Inventory as required by 40CFR 700-799. This product complies with TSCA requirements.  
CANADA WHMIS CLASSIFICATION:  
B3: Combustible Liquid  
D2B: Toxic Material Causing Other Toxic Effects Eye and/or Skin irritation on animals  
CALIFORNIA PROP 65: **WARNING:** This product contains products known to the State of California to cause cancer and/or birth defects or reproductive harm.  
This product contains butane-1,4-diol (1,4-butanediol) which is on the New Jersey and Pennsylvania Right-to-Know lists.  
CAS #110-63-4



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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. DEFINITIONS: HAP = Hazardous Air Pollutant

VHAP = Volatile Hazardous Air Pollutant

PRODUCT OF THE UNITED STATES

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

HMIS RATING      HEALTH - \* 3      FLAMMABILITY - 0      REACTIVITY - 0

DATE OF PREPARATION 01/21/16

DATE PRINTED 06/27/16