

Issued to . . . . . : Exmark Manufacturing Co., Inc.  
Industrial Park

Beatrice, NE 68310

Attention: . . . . . : Material Safety Data Sheet Coordinator

The attached Material Safety Data Sheet relates potential hazards and recommended practices for safe handling of the product.

We urge you and your employees to review the entire MSDS prior to handling, use or disposal of the product.

You are required to keep this MSDS on file for reference by company employees or government regulatory officials.

If you resell or distribute this product, you must furnish a copy of the MSDS to your customer.

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SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION  
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CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT CODE . . . . : 02747 670415 .6B  
PRODUCT NAME . . . . : Red 103-9140  
PRODUCT CLASS . . . . : Touch-Up Bottle

MSDS PREPARATION DATE : 06/21/2012

MANUFACTURER IDENTIFICATION:

RAABE COMPANY  
PO BOX 1090

CUSTOMER IDENTIFICATION:

Exmark Manufacturing Co., Inc.  
Industrial Park

MENOMONEE FALLS WI 53052-1090 Beatrice, NE 68310

EMERGENCY TELEPHONE NUMBERS:

24 HOURS A DAY - CALL CHEMTREC : 800-424-9300  
INTERNATIONAL CALLS TO CHEMTREC : 703-527-3887  
8 AM TO 4:30 PM CENTRAL TIME : 262-255-9500

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS  
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1 ETHYLBENZENE

CAS# 100-41-4

ETHYLBENZENE

PCT BY WT: 5.9800 VAPOR PRESSURE: 7.000 MMHG @ 68F LEL .80

EXPOSURE LIMIT:

ACGIH TLV-TWA 100 ppm  
ACGIH TLV-STEL 125 ppm  
OSHA PEL-TWA 100 ppm  
OSHA PEL-STEL 125 ppm  
OTHER IARC (2B), CALIFORNIA PROP 65 (Cancer 6/11/2004)

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LD50(ORAL) 3500 mg/kg (rat)  
LD50(DERMAL) 20574 mg/kg (rabbit)  
LC50 17623 mg/m3 (rat)  
OTHER LIMITS:  
PROP 65-Cancer,listed 6/11/04 EINECS 202-849-4

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2 XYLENE  
CAS# 1330-20-7  
XYLENE  
PCT BY WT: 27.0000 VAPOR PRESSURE: 6.600 MMHG @ 68F LEL 1.00  
EXPOSURE LIMIT:  
ACGIH TLV-TWA 100 ppm  
ACGIH TLV-STEL 150 ppm  
OSHA PEL-TWA 100 ppm  
OSHA PEL-STEL 150 ppm  
COMPANY N.E.  
LD50(ORAL) 4300 mg/kg (rat)  
LD50(DERMAL) 1700 mg/kg (rabbit)  
LC50 18892 mg/m3 (rat)  
OTHER LIMITS:  
EINECS 215-535-7

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3 Graphtol Red  
CAS# 2786-76-7  
Naphthol Red  
PCT BY WT: 6.0000  
EXPOSURE LIMIT:  
OTHER LIMITS:  
AZO Pigment EINECS 220-509-3

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4 GLYCOL ETHER PM ACETATE  
CAS# 108-65-6  
PROPYLENE GLYCOL METHYL ETHER ACETATE  
PCT BY WT: 22.0000 VAPOR PRESSURE: 3.700 MMHG @ 68F LEL 1.30  
EXPOSURE LIMIT:  
ACGIH TLV-TWA NOT ESTABLISHED  
ACGIH TLV-STEL NOT ESTABLISHED  
LD50(ORAL) 8500 mg/kg (rat)  
LD50(DERMAL) 5000 mg/kg (rat)  
LC50 5321 mg/m3 (rat)  
OTHER LIMITS:  
EINECS 203-603-9

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\*\*\*\*\*  
This product contains one or more reported carcinogens or suspected  
carcinogens which are noted NTP, IARC, or OSHA-Z in the other limits  
recommended column.  
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This substance is classified as a hazardous air pollutant.  
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SECTION 3 - HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW:  
Harmful if absorbed through skin.  
Causes eye irritation.  
Causes skin irritation.  
Vapors irritating to eyes and respiratory tract.  
Flammable liquid and vapor.  
Vapors may cause flash fire or explosion.

EYE:

May cause severe eye irritation.

SKIN:

Contact with skin may cause irritation with discomfort or rash.  
Prolonged contact with the skin can cause chemical burns.  
Harmful if absorbed through the skin.  
Material may aggravate an existing dermatitis.

INHALATION:

Harmful if inhaled.  
Prolonged inhalation may be harmful.  
Exposure to high concentrations of vapors may cause dizziness, breathing difficulty, headaches or respiratory irritation.  
Extremely high concentrations may cause drowsiness, staggering, confusion, unconsciousness, coma or death.  
Excessive inhalation of vapors can cause nasal and respiratory irritation.  
Liquid or vapor may be irritating to skin, eyes, throat or lungs.  
Intentional misuse by deliberately concentrating and inhaling the contents of this product can be harmful or fatal.

INGESTION:

Moderately toxic. May cause stomach discomfort, nausea, vomiting, diarrhea, and narcosis.  
May cause serious health effects if swallowed.  
Aspiration of material into the lungs if swallowed or if vomiting occurs can cause chemical pneumonitis which can be fatal.  
May cause nausea, vomiting and diarrhea.

CHRONIC EFFECTS:

Chronic overexposure to a component or components in this material has been found to cause the following effects in laboratory animals:

- Kidney damage
- Eye damage
- Liver damage
- Anemia

Chronic overexposure to a component or components in this product has been suggested as a cause of the following effects in humans:

- Cardiac abnormalities

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Rats exposed to titanium dioxide dust at 250 mg/m<sup>3</sup> developed lung cancer, however, such exposure levels are not attainable in the workplace with this material.

In February 2000 the International Agency for Research on Cancer (IARC) classified ethylbenzene as possibly carcinogenic to humans (Group 2B) on the basis of sufficient evidence for carcinogenicity in experimental animals but inadequate evidence for cancer in humans.

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SECTION 4 - FIRST AID MEASURES

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EYE CONTACT:

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.  
Flush with large quantities of water for 15 minutes.

SKIN CONTACT:

Wash with soap and water. Get medical attention if irritation develops or persists.  
Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.  
Wash thoroughly with soap and water and seek medical attention if irritation persists. Remove contaminated clothing. Launder contaminated clothing before reuse.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.  
For inhalation overexposure move person to fresh air. If breathing



RESPIRATORY PROTECTION:

If workplace exposure limits are exceeded for any component(see section 2 for hazardous components and exposure limits), a NIOSH/OSHA approved respirator suitable for components listed is recommended.

SKIN PROTECTION:

Chemical resistant plastic or rubber gloves recommended for prolonged or repeated contact.

EYE PROTECTION:

Chemical goggles with side shields or face shield recommended if contact with the eyes is likely.

OTHER PROTECTIVE EQUIPMENT:

Appropriate impervious clothing is recommended if prolonged or repeated contact is likely.

HYGIENIC PRACTICES:

Wash hands before eating or smoking. Smoke in designated areas only.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure . . . . .	:	7.00	mm Hg @ 20 C
Vapor Density . . . . .	:	3.70	
Boiling Range . . . . .	:	Lower - 277.0	øF
	:	Higher - 302.0	øF
Specific Gravity . . . . .	:	1.015	
Formula weight per Volume . . . . .	:	8.4500	LB/GL
VOC (Calculated, LB/GAL) . . . . .	:	4.731	
VOC (Calculated, GM/L) . . . . .	:	566.91	
Percent Volatile by weight . . . . .	:	54.9629	
Percent Volatile by volume . . . . .	:	61.8601	
Evaporation Rate . . . . .	:	.390	(n-Butyl Acetate = 1)
Viscosity . . . . .	:	-N/A	

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

Avoid contact with heat, sparks, and open flame.

INCOMPATIBILITIES:

Strong oxidizing agents.

DECOMPOSITION:

Thermal decomposition may produce carbon dioxide, carbon monoxide, and unidentifiable organic materials.

Product may produce toxic fumes when burned.

POLYMERIZATION:

No hazardous polymerization will occur under normal conditions.

STABILITY:

The product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

No specific information is available. Please refer to Section 2 and 3 for available information on exposure limits and hazards identification.

SECTION 12 - ECOLOGICAL INFORMATION

No specific ecological information is available for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Place in closed containers. Dispose of product in accordance with local, county, state, and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

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Ground shipment of limited or excepted quantities of aerosols or liquid paint in containers of 1 quart or less:

CONSUMER COMMODITY, ORM-D

Ground shipment of liquid paint in containers more than 1 quart:

PAINT, FLAMMABLE LIQUID, UN1263, CLASS 3, GROUP II  
(Regulatory sources: DOT 49CFR 172.101)

Air shipment of limited or excepted quantities of aerosols or liquid paint in containers of 1 quart or less:

CONSUMER COMMODITY, ID 8000, CLASS 9 MISCELLANEOUS LABEL

(Regulatory sources: IATA Quantity Exemptions - Table 2.8.4, 2.7.A, 2.7.5, Packaging Instruction: 910)

OR

AEROSOLS, FLAMMABLE, UN1950, CLASS 2.1 LABEL

(Regulatory sources: IATA Quantity Exemptions - Table 2.8.1, 2.8.4, Packaging Instruction: Y203)

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SECTION 15 - REGULATORY INFORMATION  
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SARA 313 INFORMATION:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

ETHYLBENZENE

CAS# 100-41-4 PCT BY WT: 5.9800

XYLENE

CAS# 1330-20-7 PCT BY WT: 26.5510  
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FEDERAL REGULATIONS:

TOXIC SUBSTANCES CONTROL ACT: The chemical substances in this product are listed on the TSCA Section 8 inventory.

STATE REGULATIONS:

This product contains chemical(s) which are listed on California's proposition 65 list. If the product is to be sold or used in California a clear and reasonable warning must be provided such as:  
Warning! This product contains a chemical or chemicals known to the state of California to cause cancer.

NEW JERSEY RIGHT-TO-KNOW

The following non-hazardous ingredients are among the top five components in this product

-----	CHEMICAL NAME	-----	CAS NUMBER
ALKYD RESIN SOLIDS			NONE
Acrylic Polymer			Not Listed

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product at greater than 3 %

-----	CHEMICAL NAME	-----	CAS NUMBER
ALKYD RESIN SOLIDS			NONE
Acrylic Polymer			Not Listed

INTERNATIONAL REGULATIONS:

CANADA: The chemical substances in this product are listed on the Canadian Domestic Substances List.

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SECTION 16 - OTHER INFORMATION  
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The information contained on this MSDS is believed to be reliable and accurate. Due to the changing nature of government information, it is

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impossible to guarantee the accuracy of the information contained herein. Since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damages incurred by the use of this material. This information should not be regarded as legal advice or regulation. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations. For questions relating to specific aspects of the requirements and regulations consult the proper regulatory agency.

HMIS RATINGS:

HEALTH: 2\*    FLAMMABILITY: 3    REACTIVITY: 0    PERSONAL PROTECTION: B

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