

Issued to . . . . . Surface Repair, LLC  
1140 Amarillo Drive  
Gardnerville NV 89460-7504

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

The attached Material Safety Data Sheet relates potential hazards and recommended practices for safe handling of the product that you purchased from Raabe Corporation.

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 . . . : 03207 655106 604  
PRODUCT NAME . . . : 11200 PORCELAIN ENAMEL REPAIR SPRAY PLUMBING WHITE  
PRODUCT CLASS . . . : Aerosol Product

MSDS PREPARATION DATE : 10/31/2002

#### MANUFACTURER IDENTIFICATION:

RAABE CORPORATION  
PO BOX 1090  
MENOMONEE FALLS WI 53052

#### CUSTOMER IDENTIFICATION:

Surface Repair, LLC  
1140 Amarillo Drive  
Gardnerville NV 89460-7504

#### 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: .4320 VAPOR PRESSURE: 19.000 MMHG @ 68F LEL 1.20

#### 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)

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#### 2 2-PENTANONE

CAS# 107-87-9

#### 2-PENTANONE

PCT BY WT: 8.0000 LEL 1.50

#### EXPOSURE LIMIT:

ACGIH TLV-TWA 200 ppm

ACGIH TLV-STEL 250 ppm  
OSHA PEL-TWA 200 ppm  
COMPANY N.E.

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3 N-BUTANE  
CAS# 106-97-8  
N-BUTANE  
PCT BY WT: 12.0000 VAPOR PRESSURE: 879.100 MMHG @ 68F LEL 1.80  
EXPOSURE LIMIT:  
ACGIH TLV-TWA 800 ppm  
ACGIH TLV-STEL NO INFO  
OSHA PEL-TWA 800 ppm  
COMPANY N.E.

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4 PROPANE  
CAS# 74-98-6  
PROPANE  
PCT BY WT: 17.0000 VAPOR PRESSURE: 5585.200 MMHG @ 68F LEL 2.20  
EXPOSURE LIMIT:  
ACGIH TLV-TWA 1000 ppm  
ACGIH TLV-STEL NO INFORMATION

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5 TITANIUM DIOXIDE  
CAS# 13463-67-7  
TITANIUM DIOXIDE  
PCT BY WT: 4.0000  
EXPOSURE LIMIT:  
ACGIH TLV-TWA 10 mg/m3  
ACGIH TLV-STEL NO INFO  
OSHA PEL-TWA 10 mg/m3  
COMPANY N.E.

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6 XYLENE  
CAS# 1330-20-7  
XYLENE  
PCT BY WT: 2.0000 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.

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7 ACRYLIC POLYMER

ACRYLIC POLYMER  
PCT BY WT: 3.0000  
EXPOSURE LIMIT:  
ACGIH TLV-TWA N.E.  
ACGIH TLV-STEL N.E.  
OSHA PEL-TWA N.E.  
COMPANY N.E.

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8 BUTYL BENZYL PHTHALATE  
CAS# 85-68-7  
BUTYL BENZYL PHTHALATE  
PCT BY WT: 1.0000 LEL .30  
EXPOSURE LIMIT:  
ACGIH TLV-TWA 5 mg/m3  
ACGIH TLV-STEL N.E.  
OSHA PEL-TWA 5 mg/m3

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9 ACETONE  
CAS# 67-64-1  
ACETONE  
PCT BY WT: 41.0000 VAPOR PRESSURE: 231.000 MMHG @ 68F LEL 2.60

EXPOSURE LIMIT:  
ACGIH TLV-TWA 750 ppm  
ACGIH TLV-STEL 1000 ppm  
OSHA PEL-TWA 750 ppm  
OSHA PEL-STEL 1000 ppm  
COMPANY N.E.

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10 ETHYLENE GLYCOL MONOPROPYL ETH  
CAS# 2807-30-9  
ETHYLENE GLYCOL MONOPROPYL ETHER  
PCT BY WT: 1.0000 VAPOR PRESSURE: 1.200 MMHG @ 68F LEL 1.30  
EXPOSURE LIMIT:  
ACGIH TLV-TWA NO INFO  
ACGIH TLV-STEL NO INFO

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11 ETHYL 3-ETHOXYPROPIONATE  
CAS# 763-69-9  
ETHYL 3-ETHOXYPROPIONATE  
PCT BY WT: 3.0000 VAPOR PRESSURE: 1.110 MMHG @ 68F LEL 1.10  
EXPOSURE LIMIT:  
ACGIH TLV-TWA 50 ppm  
ACGIH TLV-STEL NONE EST.  
OSHA PEL-TWA 50 ppm  
COMPANY N.E.

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12 GLYCOL ETHER PM ACETATE  
CAS# 108-65-6  
PROPYLENE GLYCOL METHYL ETHER ACETATE  
PCT BY WT: 1.0000 VAPOR PRESSURE: 3.700 MMHG @ 68F LEL 1.30  
EXPOSURE LIMIT:  
ACGIH TLV-TWA NOT ESTABLISHED  
ACGIH TLV-STEL NOT ESTABLISHED

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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 swallowed.  
Harmful if inhaled.  
Causes eye irritation.  
Causes skin irritation.  
Vapors irritating to eyes and respiratory tract.  
Extremely flammable liquid and vapor.  
Vapors may cause flash fire or explosion.  
Extremely flammable aerosol.  
Contents under pressure.

#### POTENTIAL HEALTH EFFECTS:

##### EYE:

May cause severe eye irritation.

##### SKIN:

May cause skin irritation.  
Prolonged or repeated contact may cause drying, cracking, or irritation  
of the skin.  
Product contains a component which can be absorbed through the skin.  
Excessive exposure may cause hemolysis (red blood cell damage) which can  
impair the blood's ability to transport oxygen.

##### INHALATION:

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.

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.

Aspiration of material into the lungs if swallowed or if vomiting occurs can cause chemical pneumonitis which can be fatal.

**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.

Contains butyl benzyl phthalate which has been shown to cause cancer in at least one study in laboratory animals. Butyl benzyl phthalate is not listed by OSHA, IARC or NTP as a carcinogen.

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 thoroughly with soap and water and seek medical attention. Remove contaminated clothing. Launder contaminated clothing before reuse.

**INHALATION:**

For inhalation overexposure move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention.

**INGESTION:**

Since this product may contain materials which can cause lung damage if aspirated into the lungs, the decision whether to induce vomiting or not must be made by a physician after careful consideration of all materials ingested.

**NOTE TO PHYSICIAN:**

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**SECTION 5 - FIRE FIGHTING MEASURES**

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**FIRE AND EXPLOSIVE PROPERTIES OF THE PRODUCT:**

Flashpoint . . . . . : Less Than -25 °F

Explosion Level . . . . . : Low - .3  
High - 100.0

Flammability Limits . . . . . : Lower - -N/A  
Higher - -N/A

**EXTINGUISHING MEDIA:**

Use Dry Chemical, Carbon Dioxide or Chemical Foam.

**FIRE-FIGHTING PROCEDURES AND EQUIPMENT:**



VOC (Calculated, LB/GAL) . . . . . : 4.565  
VOC (Calculated, GM/L). . . . . : 547.02  
Percent Volatile by Weight. . . . . : 86.5936  
Evaporation Rate . . . . . : 7.700 (n-Butyl Acetate = 1)  
Viscosity . . . . . : -N/A

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**SECTION 10 - STABILITY AND REACTIVITY**

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**CONDITIONS TO AVOID:**

Avoid contact with heat, sparks, and open flame.  
Product may explode if heated. Keep cool, avoid exposure to heat.

**INCOMPATIBILITIES:**

Strong oxidizing agents.

**DECOMPOSITION:**

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

**POLYMERIZATION:**

No hazardous polymerization will occur under normal conditions.

**STABILITY:**

The product is stable under normal storage conditions.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

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No specific information is available. Please refer to Section 3 for available information on potential health effects.

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**SECTION 12 - ECOLOGICAL INFORMATION**

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No specific ecological information is available for this product.

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**SECTION 13 - DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL:**

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

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**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: ATAI 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: ATAI 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: .4320

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**XYLENE**

CAS# 1330-20-7 PCT BY WT: 1.8890

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**ETHYLENE GLYCOL MONOPROPYL ETHER**

CAS# 2807-30-9 PCT BY WT: 1.3560

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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:**

**NEW JERSEY RIGHT-TO-KNOW**

No non-hazardous ingredients are among the top five ingredients

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**PENNSYLVANIA RIGHT-TO-KNOW**

No non-hazardous ingredients are present greater than 3%

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**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 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: 4 REACTIVITY: 0 PERSONAL PROTECTION: G