

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.

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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:	CUSTOMER IDENTIFICATION:
RAABE CORPORATION	Surface Repair, LLC
PO BOX 1090	1140 Amarillo Drive
MENOMONEE FALLS WI 53052	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

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

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)

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.

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.

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

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.

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.

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.

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

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.

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

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.

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

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.

This substance is classified as a hazardous air pollutant.

SECTION 3 - HAZARDS IDENTIFICATION

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/m³ 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.

SECTION 4 - FIRST AID MEASURES

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:

SECTION 5 - FIRE FIGHTING MEASURES

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

SECTION 10 - STABILITY AND REACTIVITY

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.

SECTION 11 - TOXICOLOGICAL INFORMATION

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

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

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)

SECTION 15 - REGULATORY INFORMATION

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

XYLENE

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

ETHYLENE GLYCOL MONOPROPYL ETHER

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

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

PENNSYLVANIA RIGHT-TO-KNOW

No non-hazardous ingredients are present greater than 3%

INTERNATIONAL REGULATIONS:

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

SECTION 16 - OTHER INFORMATION

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

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