



**MSDS047**

**Paint, Touch-Up, Acrylic, 12 oz. Aerosol Can, Color Red**

---

## **MATERIAL SAFETY DATA SHEET**

---

### **Chemical Product and Company Identification**

---

LABEL IDENTIFIER: Paint, Touch-Up, Acrylic, 12 oz. Aerosol Can, Color Red

PRODUCT IDENTIFIER: P/N 10064706 Paint, Touch-Up, 12 oz. Aerosol Can, Color Red

COMPANY IDENTIFICATION: MINE SAFETY APPLIANCES COMPANY  
P.O. Box 439  
Pittsburgh, PA 15230  
CUSTOMER SERVICE: 1-800-MSA-2222 (8:30 a.m. – 5:00 p.m., USA local time)  
EMERGENCY: 1-800-255-3924 (CHEM-TEL, INC.)

---

### **Vendor Information**

---

**A Material Safety Data Sheet as furnished by Raabe Company, LLC, for Red F63JXR12933, Aerosol Touch Up, is attached ( 9 Pages Total ):**

Raabe Company, LLC PREPARATION DATE: 12/08/2004

---

### **Other Information**

---

WARNING: This is a hazardous chemical product. By following the directions and warnings provided with this product, the hazards associated with the use of this product can be greatly reduced but never entirely eliminated. Mine Safety Appliances Company makes no warranties, expressed or implied, with respect to this product and EXPRESSLY DISCLAIMS THE WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. Users assume all risks in handling, using or storing this product.

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

## CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT CODE . . . : 04362 670283 604  
PRODUCT NAME . . . : RED F63JXR12933  
PRODUCT CLASS . . . : Aerosol Touch-Up

MSDS PREPARATION DATE : 12/08/2004

## MANUFACTURER IDENTIFICATION:

RAABE COMPANY LLC  
PO BOX 1090  
  
MENOMONEE FALLS WI 53052

## CUSTOMER IDENTIFICATION:

Mine Safety Appliance  
World Headquarters, RIDC Park  
121 Gamma Drive  
Pittsburgh, PA 15238-2937

## 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: 2.3700 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), CALIFORNIA PROP 65 (6/11/04)

-----  
2 N-BUTANE

CAS# 106-97-8

## N-BUTANE

PCT BY WT: 6.0000 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.

-----  
3 PROPANE

CAS# 74-98-6

## PROPANE

PCT BY WT: 18.0000 VAPOR PRESSURE: 5585.200 MMHG @ 68F LEL 2.20

## EXPOSURE LIMIT:

ACGIH TLV-TWA 1000 ppm

RAABE COMPANY LLC  
MATERIAL SAFETY DATA SHEET

04362 670283 604

-----

RAABE COMPANY LLC  
MATERIAL SAFETY DATA SHEET

04362 670283 604

-----  
ACGIH TLV-STEL                    NO INFORMATION  
-----

4 XYLENE  
CAS# 1330-20-7  
XYLENE  
PCT BY WT: 10.0000 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  
LD50 (DERMAL)                    1700 mg/kg  
LC50                              18892 mg/m3  
-----

5 Graphtol Red  
CAS# 2786-76-7  
Naphthol Red  
PCT BY WT: 2.0000  
EXPOSURE LIMIT:  
-----

6 ACETONE  
CAS# 67-64-1  
ACETONE  
PCT BY WT: 37.0000 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.  
-----

7 GLYCOL ETHER PM ACETATE  
CAS# 108-65-6  
PROPYLENE GLYCOL METHYL ETHER ACETATE  
PCT BY WT: 9.0000 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.  
\*\*\*\*\*  
\*\*\*\*\*

RAABE COMPANY LLC  
MATERIAL SAFETY DATA SHEET

04362 670283 604

-----  
This substance is classified as a hazardous air pollutant.  
-----

\*\*\*\*\*

-----  
SECTION 3 - HAZARDS IDENTIFICATION  
-----

EMERGENCY OVERVIEW:

May be fatal if swallowed.  
Harmful if inhaled.  
Harmful if absorbed through skin.  
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.

EYE:

May cause severe eye irritation.

SKIN:

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

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.  
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.  
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  
Lung damage  
Liver damage  
Spleen damage  
Anemia

RAABE COMPANY LLC  
MATERIAL SAFETY DATA SHEET

04362 670283 604

-----  
Red blood cell damage

Chronic overexposure to a component or components is 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/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 if irritation persists. 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 (LEL) - 1.0  
High (UEL) - 13.1

EXTINGUISHING MEDIA:

Use Dry Chemical, Carbon Dioxide or Chemical Foam.

FIRE-FIGHTING PROCEDURES AND EQUIPMENT:

Keep containers tightly closed. Isolate from heat, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Contents under pressure. Do not use or store near sources of heat, sparks or open flame. Keep away from any source of heat such as

RAABE COMPANY LLC  
MATERIAL SAFETY DATA SHEET

04362 670283 604

-----  
sunlight, heaters or stoves that could cause the container to burst. Do not puncture or incinerate. Do not crush or place in a garbage compactor. Do not store above 120 degrees F. Aerosol containers may explode when exposed to extreme heat. Product vapors are heavier than air and may travel a long distance to a source of ignition and flash back. Full protective equipment including self-contained breathing apparatus to avoid inhalation of vapors should be used. Water spray should not be used except to keep down vapors or cool closed containers to prevent build-up of pressure. If water is used, fog nozzles are preferred.  
-----

SECTION 6 - ACCIDENTAL RELEASE MEASURES

-----  
CLEAN-UP AND CONTAINMENT:

Remove all sources of ignition. Avoid heat, sparks, flames and anything which could cause fire. Ventilate area of spill and adjacent low lying areas. Avoid breathing solvent vapors. Remove with inert absorbent materials and non-sparking tools.  
-----

SECTION 7 - HANDLING AND STORAGE

-----  
HANDLING:

Wash hands thoroughly after handling. 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 the following warning statement must appear on the label: Warning! This product contains a chemical or chemicals known to the State of California to cause cancer.

STORAGE:

Store in a cool dry area with ventilation suitable for storing materials shown in section 2. Keep away from heat, sparks and flame. Store in a cool place away from direct sunlight or any source of ignition. Do not store at temperatures above 120 degrees F.  
-----

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

-----  
ENGINEERING CONTROLS:

Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGIH's TLV limit.

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:

RAABE COMPANY LLC  
MATERIAL SAFETY DATA SHEET

04362 670283 604

-----  
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 . . . . . : 5585.20 mm Hg @ 20 C  
Vapor Density . . . . . : 3.70  
Boiling Range . . . . . : Lower - 1.0 °F  
Higher - 302.0 °F  
Specific Gravity . . . . . : .760  
Formula Weight per Volume . . . . . : 6.3311 LB/GL  
VOC (Calculated, LB/GAL) . . . . . : 4.372  
VOC (Calculated, GM/L) . . . . . : 523.89  
Percent Volatile by Weight . . . . . : 82.3557  
Percent Volatile by Volume . . . . . : 88.5673  
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.  
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.  
-----

RAABE COMPANY LLC  
MATERIAL SAFETY DATA SHEET

04362 670283 604

-----  
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: 2.3700

XYLENE

CAS# 1330-20-7 PCT BY WT: 10.2990  
-----

FEDERAL REGULATIONS:

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

RAABE COMPANY LLC  
MATERIAL SAFETY DATA SHEET

04362 670283 604

-----  
STATE REGULATIONS:

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

-----  
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.

-----  
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: X