
SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT CODE . . . : 60290 024484 604
PRODUCT NAME . . . : 99-9999-4224 BRONZE[®] (DB/BL)
PRODUCT CLASS . . . : Aerosol Touch-Up

*Yale/Norton
Touch up paint*

MSDS PREPARATION DATE : 02/19/2001

MANUFACTURER IDENTIFICATION:

RAABE CORPORATION
PO BOX 1090
MENOMONEE FALLS, WI 53052

CUSTOMER IDENTIFICATION:

Norton Door Controls
P.O. Box 869
Monroe, NC 28111-0869

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 ALUMINUM

CAS# 7429-90-5

ALUMINUM

PCT BY WT: 5.0000

LEL 1.00

EXPOSURE LIMIT:

ACGIH TLV-TWA 10 mg/m3
ACGIH TLV-STEL NO INFO

2 LIGHT AROMATIC SOLVENT NAPHTHA

CAS# 64742-95-6

Light Aromatic Solvent Naphtha

PCT BY WT: 3.0000 VAPOR PRESSURE: 4.400 MMHG @ 68F LEL 1.90

3 ETHYLBENZENE

CAS# 100-41-4

ETHYLBENZENE

PCT BY WT: 7.6520 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)

4 MINERAL SPIRITS

CAS# 64742-47-8

MINERAL SPIRITS

PCT BY WT: 3.0000

LEL 1.00

EXPOSURE LIMIT:

ACGIH TLV-TWA 100 ppm
ACGIH TLV-STEL NO INFO

5 N-BUTANE

CAS# 106-97-8

N-BUTANE

PCT BY WT: 20.0000 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.

6 PROPANE
CAS# 74-98-6
PROPANE
PCT BY WT: 56.0000 VAPOR PRESSURE: 5585,200 MMHG @ 68F LEL 2.20
EXPOSURE LIMIT:
ACGIH TLV-TWA 1000 ppm
ACGIH TLV-STEL NO INFORMATION

7 AMORPHOUS PRECIPITATED SILICA
CAS# 112926-00-8
AMORPHOUS PRECIPITATED SILICA
PCT BY WT: 1.0000
EXPOSURE LIMIT:
ACGIH TLV-TWA 10 mg/m3
ACGIH TLV-STEL NO INFO

8 MINERAL SPIRITS
CAS# 8052-41-3
MINERAL SPIRITS
PCT BY WT: 2.0000 LEL 1.10
EXPOSURE LIMIT:
ACGIH TLV-TWA 100 ppm
ACGIH TLV-STEL NO INFO
OSHA PEL-TWA 100 ppm
COMPANY N.E.

9 XYLENE
CAS# 1330-20-7
XYLENE
PCT BY WT: 33.0000 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.

10 ACETONE
CAS# 67-64-1
ACETONE
PCT BY WT: 58.0000 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.

11 GLYCOL ETHER PM ACETATE
CAS# 108-65-6
PROPYLENE GLYCOL METHYL ETHER ACETATE
PCT BY WT: 16.0000 VAPOR PRESSURE: 3.700 MMHG @ 68F LEL 1.30
EXPOSURE LIMIT:
ACGIH TLV-TWA NOT ESTABLISHED
ACGIH TLV-STEL NOT ESTABLISHED

12 TOLUENE
CAS# 108-88-3
TOLUENE
PCT BY WT: 2.0000 VAPOR PRESSURE: 38.000 MMHG @ 68F LEL 1.40

EXPOSURE LIMIT:

ACGIH TLV-TWA	50 ppm
ACGIH TLV-STEL	NO INFO
OSHA PEL-TWA	50 ppm
COMPANY	N.E.

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.

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.

POTENTIAL HEALTH EFFECTS:

EYE:

May cause severe eye irritation.

SKIN:

May cause skin irritation.
Repeated and prolonged contact with the skin may cause allergic 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.
Prolonged inhalation of dusts containing free silica may result in the development of a disabling pulmonary fibrosis (lung disease) known as silicosis.
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
Lung damage

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. When fighting a fire involving aluminum paste, do not use a water stream or halogenated extinguishing agents.

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.

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:

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 : 4.20
Boiling Range : Lower - 1.0 °F
Higher - 999.0 °F
Specific Gravity : .745
Formula Weight per Volume : 6.2047 LB/GL
VOC (Calculated, LB/GAL) : 19.572
VOC (Calculated, GM/L) : 2345.31
Percent Volatile by Weight. : 200.9456
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.
Aluminum flake can react violently with halogenated hydrocarbons including halogenated fire extinguishing agents. Aluminum flake can also react with some acids, caustic solutions.

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:

ALUMINUM

CAS# 7429-90-5 PCT BY WT: 4.7110

ETHYLBENZENE

CAS# 100-41-4 PCT BY WT: 7.6520

XYLENE

CAS# 1330-20-7 PCT BY WT: 33.1750

TOLUENE

CAS# 108-88-3 PCT BY WT: 2.0250

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 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 birth defects or other reproductive harm.

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.

HMS RATINGS:

HEALTH: 2* FLAMMABILITY: 4 REACTIVITY: 0 PERSONAL PROTECTION: G