

Multi-Tech Products Corporation
41519 Cherry Street
Issued to Murrieta, CA 92562

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 . . . : 11203 PORCELAIN ENAMEL REPAIR SPRAY BISCUIT/LINEN
PRODUCT CLASS . . . : Aerosol Product

MSDS PREPARATION DATE : 10/31/2002

SUPPLIER IDENTIFICATION:

Multi-Tech Products Corporation
41519 Cherry Street
Murrieta, CA 92562

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 : 800-218-2066

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:

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 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.

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: 3.70
Boiling Range: Lower - 1.0 °F
Higher - 999.0 °F
Specific Gravity: .742
Formula Weight per Volume: 6.1741 LB/GL

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

□

PRODUCT NAME: POLY FILLER

HMIS CODES: H F R P
2 2 1 H

SECTION I – MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: MULTI-TECH PRODUCTS CORPORATION
41519 CHERRY ST.
MURRIETA, CA 92562EMERGENCY PHONE: CHEM TREC (800) 424-9300
INFORMATION PHONE: (951) 834-9066

DATE PRINTED: 09/13/05

PROPER SHIPPING NAME: UN1263 PAINT RELATED

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY

HAZARDOUS COMPONENT(S) (CHEMICAL & COMMON NAMES)	% (OPTIONAL)	OSHA PEL	ACGIH TLV	OTHER EXPOSURE LIMITS	CAS NO.
POLYESTER RESIN	25%-30%	NONE ASSIGNED	N/A		N/A
STYRENE MONOMER	10%-15%	SEE SECTION VI			100-42-5
TITANIUM DIOXIDE	10%	10mg/m3 (Total dust – 8 hr. TWA)	10mg/m3		13463-67-7

SARA TITLE III STATUS: SEE ADDITIONAL INFORMATION SECTION

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: N/A
 VAPOR PRESSURE (mm Hg): NOT DETERMINED
 MATERIAL V.O.C.: 1.17 lb/gal
 SOLUBILITY IN WATER: INSOLUBLE
 APPEARANCE AND ODOR: SMOOTH PASTE, STYRENE ODOR.

SPECIFIC GRAVITY (H20=1): 1.570
 VAPOR DENSITY (Air = 1): <1.0
 REACTIVITY IN WATER: NONE
 MELTING POINT: N/A

SECTION IV – FIRE & EXPLOSION HAZARD DATA

FLASH POINT: 200 deg F
FLAMMABLE LIMITS IN AIR BY VOLUME: STYRENE: LEL Lower: 1.1 UEL Upper: 6.1

METHOD USED: COC

AUTO IGNITION TEMP: N/A

EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE OR DRY CHEMICAL.

SPECIAL FIREFIGHTING PROCEDURES:

NONE KNOWN. HOWEVER, FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF SMOKE OR VAPORS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

STYRENE WILL POLYMERIZE READILY AT ELEVATED TEMPERATURES OR FIRE CONDITIONS. IF THIS OCCURS IN A CLOSED CONTAINER, THERE IS A POSSIBILITY OF VIOLENT RUPTURE.

SECTION V – REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID:

HEAT AND DIRECT SUNLIGHT.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG ACIDS AND OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE, LOW MOLECULAR WEIGHT HYDROCARBONS, AND ORGANIC ACIDS.

HAZARDOUS POLYMERIZATION:

MAY OCCUR. AVOID SUNLIGHT, OPEN FLAMES AND CONTAMINATION.

SECTION VI – HEALTH HAZARD DATA

HAZARDS OF STYRENE CONTAINED IN THE RESIN.

HEALTH HAZARDS (ACUTE AND CHRONIC):
SEE ATTACHED SHEET.

SIGNS AND SYMPTOMS OF EXPOSURE:
SEE ATTACHED SHEET.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
SEE ATTACHED SHEET.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:
SEE ATTACHED SHEET.

NATIONAL TOXICOLOGY PROGRAM: NO

I.A.R.C. MONOGRAPHS: YES

OSHA: NO

EMERGENCY AND FIRST AID PROCEDURES:
SEE ATTACHED SHEET.

ROUTES OF ENTRY: **INHALATION:** X **EYES:** X

SECTION VII – SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

AVOID STORAGE ABOVE 100 DEGREES. AVOID PROLONGED OR REPEATED SKIN CONTACT AND INHALATION OF HEATED VAPORS OR SPRAY MISTS.

OTHER PRECAUTIONS:

AVOID IMPROPER ADDITION OF PROMOTER AND/OR CATALYST. A PROMOTER AND CATALYST USED WITH THIS PRODUCT SHOULD ALWAYS BE MIXED SEPARATELY WITH THE PRODUCT AND MUST NEVER BE MIXED TOGETHER.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REMOVE SATURATED CLOTHING PROMPTLY AND WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA. ABSORB WITH INERT MATERIAL SUCH AS VERMICULITE OR SAND AND PLACE IN A CLOSED CONTAINER.

WASTE DISPOSAL METHOD:

DISPOSAL OF THIS MATERIAL AND ITS CONTAINER, REQUIRES COMPLIANCE WITH APPLICABLE LABELING, PACKAGING, AND RECORD KEEPING STANDARDS. EXTREME CARE SHOULD BE TAKEN TO ENSURE THAT IT IS DISPOSED OF IN A FACILITY PERMITTED FOR DISPOSAL OF HAZARDOUS WASTES.

SECTION VIII – SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

RESPIRATORY PROTECTION:

A CANISTER TYPE RESPIRATORY MUST BE WORN TO PREVENT THE INHALATION OF VAPORS OR SPRAY MISTS WHEN THE TLV OR PEL IS EXCEEDED.

VENTILATION:

LOCAL VENTILATION MAY BE REQUIRED DURING CERTAIN OPERATIONS TO KEEP EXPOSURE LEVELS BELOW THE TLV LISTED IN SECTIONS II AND VI. GENERAL VENTILATION IS REQUIRED DURING NORMAL USE.

PROTECTIVE GLOVES:

CHEMICAL RESISTANT PLASTIC OR RUBBER GLOVES.

EYE PROTECTION:

WEAR FACE SHIELD OR CHEMICAL GOGGLES.

SECTION VIII – SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WEAR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND SKIN.

WORK/HYGIENIC PRACTICES:

SEE ABOVE CONTROL MEASURES.

SECTION IX – DISCLAIMER

THE INFORMATION CONTAINED HEREIN RELATES ONLY TO THE SPECIFIC MATERIAL IDENTIFIED. WE BELIEVE THAT SUCH INFORMATION IS ACCURATE AND RELIABLE AS OF THE DATE OF THIS M.S.D.S. SHEET, BUT NO REPRESENTATION, GUARANTEE OR WARRANTY, EXPRESS IMPLIED, IS MADE AS TO THE ACCURACY, RELIABILITY, OR COMPLETENESS OF THE INFORMATION.