

MATERIAL SAFETY DATA SHEET

QF-550

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SELF ETCH PRIMER HMIS CODES: H 2* F 4 R 0 P X
Product Code: QF-550

Distributed by:



Address: 850 Ladd Road, Building E
Walled Lake, MI 48390

Emergency Phone: 800.424.9300 (CHEMTREC)
Information Phone: 800.735.0303
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Date Printed: April 12, 2010
Prepared by: MSDS Coordinator

SECTION II - COMPOSITION, INFORMATION ON INGREDIENTS

Name/Exposure Limits	CAS Number	Vapor Pressure	LEL	Percent by weight
ETHYL BENZENE ACGIH TLV-TWA = 100 ppm ACGIH TLV-STEL = 125 ppm OSHA PEL-TWA = 125 ppm IARC (2B) California Prop 65 = (Cancer 6/11/2004) LD50(ORAL) = 3500 mg/kg (rat) LD50(DERMAL) = 20574 mg/kg (rabbit) LC50 = 17623 mg/m ³ (rat)	100-41-4 EINECS 202-849-4	7.000 mm Hg @ 68° F	0.80	0.3850

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Name/Exposure Limits	CAS Number	Vapor Pressure	LEL	Percent by weight
IRON OXIDE ACGIH TLV-TWA = 10 mg/m ³ ACGIH TLV-STEL = NO INFO	1332-37-2 EINECS 215-570-8	N/A	N/A	2.0000
Methyl Isobutyl Ketone 4-methyl-2pentanone ACGIH TLV-TWA = 50 ppm ACGIH TLV-STEL = 75 ppm OSHA PEL-TWA = 100 ppm	108-10-1 EINECS 203-550-1	16.000 mm Hg @ 68° F	1.20	4.0000
N-BUTANE ACGIH TLV-TWA + 20 ppm ACGIH TLV-STEL = NO INFO OSHA PEL-TWA = 800 ppm LC50 = 658000 mg/m ³ (rat)	106-97-8 EINECS 203-448-7	879.100 mm Hg @ 68° F	1.80	6.0000
PROPANE ACGIH TLV-TWA = 1000 ppm ACGIH TLV-STEL = NO INFO CA PROP 65 (Developmental 01/01/91)	74-98-6 EINECS 200-827-9	5585.200 mm Hg @ 68° F	2.20	17.0000

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Name/Exposure Limits	CAS Number	Vapor Pressure	LEL	Percent by weight
TALC ACGIH TLV-TWA = 2 mg/m ³ ACGIH TLV-STEL = NO INFO OSHA PEL-TWA = 2 mg/m ³	14807-96-6			6.0000
VINYL ALCOHOL, VINYL BUTYRAL POLYMER ACGIH TLV-TWA = NO INFO ACGIH TLV-STEL = NO INFO	27360-07-2			4.0000
XYLENE ACGIH TLV-TWA = 100 ppm ACGIH TLV-STEL = 150 ppm OSHA PEL-TWA = 100 ppm OSHA PEL-STEL = 150 ppm LD50 (ORAL) = 4300 mg/kg (rat) LD50 (DERMAL) = 1700 mg/kg (rabbit) LC50 = 18892 mg/m ³	1330-20-7 EINECS 215-535-7	6.600 mm Hg @ 68° F	1.00	2.0000
ZINC CHROMATE ACGIH TLV-TWA = 0.01 mg/m ³ ACGIH TLV-STEL = NO INFO California Prop 65 = Cancer (listed 2/27/87)	13530-65-9			1.3890
ACETONE ACGIH TLV-TWA = 750 ppm ACGIH TLV-STEL = 1000 ppm OSHA PEL-TWA = 750 ppm OSHA PEL-STEL = 1000 ppm LD50 (ORAL) = 5340 mg/kg (rabbit) LD50 (DERMAL) = 20000 mg/kg (rabbit) LC50 = 70852 mg/m ³ (rat)	67-64-1 EINECS 200-662-2	231.000 mm Hg @ 68° F	2.60	30.0000
DIACETONE ALCOHOL ACGIH TLV-TWA = 50 ppm ACGIH TLV-STEL = NO INFO OSHA PEL-TWA = 50 ppm	123-42-2	1.000 mm Hg @ 68° F	1.80	1.0000

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Name/Exposure Limits	CAS Number	Vapor Pressure	LEL	Percent by weight
METHYL ETHYL KETONE ACGIH TLV-TWA = 200 ppm ACGIH TLV-STEL = 300 ppm OSHA PEL-TWA = 200 ppm LD50 (ORAL) = 2737 mg/kg (rat) LD50 (DERMAL) = 6480 mg/kg (rat) LC50 = 23500 mg/m ³	78-93-3 EINECS 201-159-0	85.000 mm Hg @ 68° F	1.80	9.0000
GLYCOL ETHER PM ACETATE PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE ACGIH TLV-TWA = NOT ESTABLISHED ACGIH TLV-TWA = NOT ESTABLISHED LD50 (ORAL) = 8500 mg/kg (rat) LD50 (DERMAL) = 5000 mg/kg (rat) LC50 = 5321 mg/m ³	108-65-6 EINECS 203-603-9	3.700 mm Hg @ 68° F	1.30	9.0000
ISOBUTYL ALCOHOL ACGIH TLV-TWA = 50 ppm ACGIH TLV-STEL = NO INFO OSHA PEL-TWA = 50 ppm	78-83-1 EINECS 201-148-0		1.70	4.0000

This product contains one or more reported carcinogens or suspected carcinogens which are noted by NTP, IARC or OSHA-Z in the other limits recommended column.

This substance is classified as a hazardous air pollutant.

SECTION III - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Harmful if swallowed. Harmful if inhaled. Causes eye irritation. Causes skin irritation. Vapors irritating to the 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 corneal injury if liquid comes in contact with the eyes.

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SECTION III - HAZARDS IDENTIFICATION

SKIN:

May cause skin irritation. Prolonged contact with the skin can cause chemical burns. May be 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. 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.

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SECTION III - HAZARDS IDENTIFICATION

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
- Anemia
- Brain damage

Chronic overexposure to a component or components in this product has been suggested as a cause of the following effects in humans:

- Liver damage
- Cardiac abnormalities
- Kidney damage
- Blood damage

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Repeated breathing or skin contact of methyl ethyl ketone may increase the potency of neurotoxins such as hexane if exposures occur at the same time. Product contains zinc chromate which is listed as a carcinogen by IARC and NTP. 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 ethyl benzene 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 IV - 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.

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SECTION V - FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES OF THE PRODUCT:

Flashpoint: <25.0° F
Explosion Level: Low (LEL) - 0.8
High (UEL)- 13.1

EXTINGUISHING MEDIA:

Use Dry Chemical, Carbon Dioxide or Chemical Foam.

FIREFIGHTING 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 crush or place in a garbage compactor. Do not store above 200° F. The aerosol container 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 a build-up of pressure. If water is used, fog nozzles are preferred.

SECTION VI - 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.

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SECTION VII - 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 a clear and reasonable warning must be provided such as:

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° F.

SECTION VIII - 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), an 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 a 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.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	5585.20 mm Hg @ 20° C
Vapor Density:	3.70
Boiling Range:	Lower - 1.0° F Higher - 336.0° F
Specific Gravity:	0.788
Formula Weight per Volume:	6.5568 lbs./gal.
VOC (Calculated, lbs./gal.):	5.010
VOC (Calculated, g./l.):	600.34
Percent Volatile by Weight:	83.6456
Percent Volatile by Volume:	92.8400
Evaporation Rate(n-butyl acetate = 1.0):	7.700
Viscosity:	N/A

SECTION X - STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

Avoid contact with heat, sparks, and open flame. The 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 XI - TOXICOLOGICAL INFORMATION

No specific information is available. Please refer to Section 2 and 3 for available information on exposure limits and hazards identification.

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SECTION XII - ECOLOGICAL INFORMATION

No specific ecological information is available for this product.

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

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

SECTION XIV - 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: IATA 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: IATA Quantity Exemptions - Table 2.8.1, 2.8.4, Packaging Instruction: Y203)

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SECTION XV - 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:

NAME	CAS NUMBER	PERCENT BY WEIGHT
ETHYL BENZENE	100-41-4	0.3850
4-methyl-2-pentanone	108-10-1	3.8480
XYLENE	1330-20-7	2.3090

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 a clear and reasonable warning must be provided such as:

Warning! This product contains a chemical or chemicals known to the State of California to cause cancer.

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.

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SECTION XVI - OTHER INFORMATION

The information contained in this material safety data sheet is information from our suppliers and other sources. It is believed to be reliable. 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. This data is not to be taken as a warranty or representation for which this company assumes legal responsibility. 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.

Prepared on April 12, 2010