

#02-076

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FI:X[®] WOOD PATCH
ISSUED DATE: MARCH 13, 1990

MANUFACTURER: DARWORTH COMPANY
DIVISION OF ENSIGN-BICKFORD INDUSTRIES, INC.
P.O. BOX K
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SECTION ONE: PRODUCT IDENTIFICATION

PRODUCT/TRADE NAME: FI:X[®] WOOD PATCH

GENERIC NAME: WOOD PUTTY

CHEMICAL FAMILY: WOOD FILLER

SECTION TWO: HAZARDOUS COMPONENTS

COMPONENTS:

ACETONE

C.A.S.NUMBER: 67-64-1
T.L.V.: 750 ppm, 1780 mg/m³ 8 hour TWA
1000 ppm, 2380 mg/m³ 15 min STEL

PERCENTAGE 16.8%
P.E.L: 750 ppm, 1800 mg/m³
8 hour TWA
1000 ppm, 2400 mg/m³
15 min STEL

BUTYL ACETATE

C.A.S.NUMBER: 123-86-4
T.L.V.: 150 ppm, 713 mg/m³ 8 hour TWA
200 ppm, 950 mg/m³ 15 min STEL

PERCENTAGE 6.3%
P.E.L: 150 ppm, 710 mg/m³
8 hour TWA
200 ppm, 950 mg/m³
15 min STEL

METHYL ETHYL KEYTONE

C.A.S.NUMBER: 78-93-3
T.L.V.: 200 ppm, 590 mg/m³ 8 hour TWA
300 ppm, 885 mg/m³ 15 min STEL

PERCENTAGE 5.6%
P.E.L: 200 ppm, 590 mg/m³
8 hour TWA
300 ppm, 885 mg/m³
15 min STEL

LACTOL SPIRITS

C.A.S.NUMBER: 64741-55-5
T.L.V.: 200 ppm

PERCENTAGE 11.83%
P.E.L: 200 ppm

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FI:X[®] WOOD PATCH
ISSUE DATE: March 13, 1990

COMPONENT:

ISOPROPANOL

C.A.S.NUMBER: 67-63-0

T.L.V.: 400 ppm, 985 mg/m³ 8 hour TWA
500 ppm, 1230 mg/m³ 15 min STEL

PERCENTAGE 1.7%

P.E.L: 400 ppm, 980 mg/m³
8 hour TWA
500 ppm, 1225 mg/m³
15 min STEL

NITROCELLULOSE**

C.A.S.NUMBER: 9004-70-0

T.L.V.: Not established

PERCENTAGE: 3.9%

P.E.L: Not established

** THE SUPPLIER OF NITROCELLULOSE INTERPRETS THE U.S. OCCUPATIONAL SAFETY AND HEALTH ACT AND REGULATIONS, INCLUDING THE HAZARD COMMUNICATION STANDARD 29CFR 1910.1200 DATED NOVEMBER 25, 1983, THIS INGREDIENT SHOULD NOT BE CONSIDERED A HEALTH HAZARD.

THIS PRODUCT DOES NOT CONTAIN INGREDIENTS LISTED BY IARC, NTP, OR OSHA AS CARCINOGENS OR POTENTIAL CARCINOGENS. SEE SECTION NINE.

SECTION THREE: PHYSICAL DATA

BOILING POINT: N/A

VAPOR PRESSURE: 184mm Hg @ 20° C*

SOLUBILITY IN WATER: PARTIAL

EVAPORATION RATE: < THAN ETHER *

VAPOR DENSITY: HEAVIER THAN AIR*

APPEARANCE AND ODOR: LIGHT BROWN PASTE WITH ACETONE ODOR

SPECIFIC GRAVITY: 1.28

PERCENT VOLATILE: 41.64

MELTING POINT: N/A

* ACETONE IN PRODUCT

SECTION FOUR: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -4° F -1+ TOC* FLAMMABLE LIMITS: LEL:2.5%* UEL:13.0%*

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE AND/OR OXIDES OF NITROGEN.

EXTINGUISHING MEDIA: FOG, ALCOHOL, FOAM, CO₂, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES: FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS ARE RECOMMENDED. FOG NOZZLES ARE PREFERABLE TO WATER SPRAY. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT AUTO IGNITION AND EXPLOSION.

* ACETONE IN PRODUCT

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PRODUCT NAME: FI:X[®] WOOD PATCH

ISSUE DATE: March 13, 1990

INITIAL FIRE AND EXPLOSION HAZARDS: DRY WOODPATCH CONTAINS A SMALL PERCENTAGE OF NITROCELLULOSE WHICH IS READILY IGNITABLE AND BURNS WITH INTENSE HEAT. BURNING WET WOODPATCH GENERATES TOXIC FUMES (OXIDES OF NITROGEN, CARBON MONOXIDE, CARBON DIOXIDE). PEOPLE BREATHING THE FUMES SHOULD PROMPTLY SEEK VENTILATION AND MEDICAL CARE.

AUTO IGNITION: 869° F *

* ACETONE

SECTION FIVE: HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LIMIT: REFER TO SECTION TWO

THRESHOLD LIMIT VALUE: REFER TO SECTION TWO

EFFECTS OF ACUTE OVEREXPOSURE:

EYE CONTACT: ACETONE - MAY CAUSE IRRITATION AND TEMPORARY CORNEAL DAMAGE.
BUTYL ACETATE - MAY CAUSE REDNESS, OR PAIN.
ISOPROPANOL - MAY CAUSE IRRITATION.
LACTOL SPIRITS - MAY CAUSE EYE IRRITATION.
METHYL ETHYL KETONE - MAY CAUSE EYE IRRITATION.

SKIN CONTACT: ACETONE - MAY CAUSE SKIN IRRITATION.
BUTYL ACETATE - MAY CAUSE SLIGHT IRRITATION.
ISOPROPANOL - MAY CAUSE SLIGHT IRRITATION.
LACTOL SPIRITS - MAY CAUSE IRRITATION.
METHYL ETHYL KETONE - MAY CAUSE IRRITATION.

INHALATION: ACETONE - MAY CAUSE IRRITATION OF NOSE AND THROAT, HEADACHE, NAUSEA, VOMITING, DIZZINESS, NARCOSIS, RESPIRATORY FAILURE, LOW BLOOD PRESSURE, CENTRAL NERVOUS SYSTEM DEPRESSION.
BUTYL ACETATE - EXPOSURE MAY CAUSE HEADACHE, DIZZINESS, EYE, NOSE OR THROAT IRRITATION.
ISOPROPANOL - MAY CAUSE MILD IRRITATION TO THE NOSE AND THROAT.
LACTOL SPIRITS - EXPOSURE TO VAPORS OR MISTS MAY CAUSE IRRITATION OF THE NOSE AND THROAT. SIGNS OF NERVOUS SYSTEM DEPRESSION (E.G. DROWSINESS, DIZZINESS).
METHYL ETHYL KETONE - MAY CAUSE IRRITATION TO THE NOSE AND THROAT.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME:FI:X® WOOD PATCH

ISSUE DATE: March 13, 1990

INGESTION:

ACETONE - MAY CAUSE HEADACHE, NAUSEA, VOMITING, DIZZINESS, GASTROINTESTINAL IRRITATION, CENTRAL NERVOUS SYSTEM DEPRESSION.

BUTYL ACETATE - MAY IRRITATE THE MOUTH, THROAT OR DIGESTIVE TRACT OR CAUSE ABDOMINAL PAIN OR NAUSEA.

ISOPROPANOL - MAY CAUSE ABDOMINAL PAIN, HEMATEMESIS, NAUSEA, VOMITING, AND HEMORRHAGE. CENTRAL NERVOUS SYSTEM DEPRESSION MAY OCCUR, WITH HEADACHE, DIZZINESS, FLUSHING, INCOORDINATION, STUPOR, CONFUSION, HYPOTENSION, AND FLEXIA, AND REFRACTERY NARCOSIS. OLIGURA FOLLOWED BY DIARESIS AND COMA MAY ALSO OCCUR.

LACTOL SPIRITS - INGESTION MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT AND SIGNS OF NERVOUS SYSTEM DEPRESSION.

METHYL ETHYL KEYTONE - MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

EFFECTS OF CHRONIC OVEREXPOSURE:

ACETONE - NO ADVERSE EFFECTS REPORTED IN AVAILABLE INFORMATION.

BUTYL ACETATE - EYE - MAY CAUSE CONJUCTIVITIS.
SKIN - MAY CAUSE SLIGHT IRRITATION.

ISOPROPANOL - EYE - MAY CAUSE CONJUCTIVITIES.
SKIN - REPEATED OR PROLONGED MAY CAUSE DERMATITIS DUE TO DEFATTING ACTION ON THE SKIN.

LACTOL SPIRITS - DELIBERATE MISUSE OF THIS PRODUCT HAS SHOWN TO CAUSE LIVER, KIDNEY, AND BRAIN DAMAGE. PRE-EXISTING HEART DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

METHYL ETHYL KEYTONE - NO ADVERSE EFFECTS REPEATED IN AVAILABLE INFORMATION.

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:

FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FI:X[®] WOOD PATCH

ISSUE DATE: March 13, 1990

SKIN CONTACT: WASH AFFECTED AREAS WITH SOAP AND LARGE QUANTITIES OF WATER. REMOVE CONTAMINATED CLOTHING. CONSULT PHYSICIAN IF IRRITATION FROM CONTACT PERSISTS.

INHALATION: IF VICTIM APPEARS TO BE EXHIBITING RESPIRATORY STRESS DUE TO HIGH CONCENTRATIONS, REMOVE HIM FROM THE CONTAMINATED AREA. IF BREATHING STOPS, INITIATE ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

PRIMARY ROUTE OF ENTRY: (REFER TO SECTION TWO) INHALATION, SKIN CONTACT

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

SKIN - PEOPLE WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

INHALATION - PEOPLE WITH PRE-EXISTING RESPIRATORY DISORDERS SUCH AS ASTHMA, MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

SECTION SIX: REACTIVITY DATA

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

STABILITY: THIS PRODUCT IS STABLE IN MOST CONDITIONS. USE THIS PRODUCT ONLY AS RECOMMENDED BY MANUFACTURER.

INCOMPATIBILITY: OXIDIZING AGENTS, ALKALINE MATERIALS AND STRONG ACIDS

CONDITIONS TO AVOID N/A

SECTION SEVEN: SPILL OR LEAK PROCEDURES

PROCEDURE: KEEP ALL SOURCES OF IGNITION AND HOT METAL SURFACES ISOLATED FROM THE SPILL. AVOID BREATHING VAPORS. PROVIDE ADEQUATE VENTILATION. PICK UP (WEAR PROTECTIVE CLOTHING) WITH A SCOOP OR SMALL SHOVEL. PLACE IN APPROPRIATE CONTAINER FOR STORAGE PRIOR TO DISPOSAL.

DISPOSE OF PRODUCT IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY, STATE AND FEDERAL REGULATIONS.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: FI:X[®] WOOD PATCH

ISSUE DATE: March 13, 1990

SECTION EIGHT: PROTECTIVE EQUIPMENT TO BE USED
VENTILATION

RESPIRATORY PROTECTION: IF THE VAPOR CONCENTRATION EXCEEDS THE TLV USE A NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH APPROVED ORGANIC VAPOR RESPIRATOR.

LOCAL EXHAUST: MAY BE NECESSARY IN CERTAIN AREAS WITH POOR GENERAL VENTILATION IN ORDER TO MAINTAIN EXPOSURES BELOW THE PEL'S AND TLV'S.

SPECIAL: NON-APPLICABLE

MECHANICAL: GENERAL MECHANICAL VENTILATION IS RECOMMENDED WHEN PRODUCT IS USED IN AREAS WITHOUT ADEQUATE VENTILATION.

OUTDOORS: MECHANICAL VENTILATION OR RESPIRATORY PROTECTION NOT REQUIRED.

PROTECTIVE CLOTHING

PROTECTIVE GLOVES: USE IMPERMEABLE GLOVES SUCH AS NEOPRENE.

EYE PROTECTIVE: SAFETY GLASSES, CHEMICAL GOGGLES, AND/OR FACE SHIELDS ARE RECOMMENDED TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT.

OTHER EQUIPMENT: THE AVAILABILITY OF EYE WASHES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED. IMPERMEABLE APRONS ARE ADVISED TO PREVENT SKIN CONTACT.

SECTION NINE: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP PRODUCT CONTAINERS COOL, DRY AND AWAY FROM SOURCES OF IGNITION.

USE AND STORE PRODUCT WITH ADEQUATE VENTILATION.

KEEP PRODUCT CONTAINERS CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN.

USE WITH ADEQUATE VENTILATION.

LABEL PRECAUTIONS: CAUTION: KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

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ISSUE DATE: March 13, 1990

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