

Prepared 01/10

Armstrong World Industries, Inc.
 P. O. Box 3001
 Lancaster, PA 17604
 Technical Services:
 1-877-276-7876, Option 2,3,3

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Name: Bruce, Dura-Luster Urethane
 Description: Urethane Latex (Touch Up Bottle)

II. DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping name: Not Restricted Hazard Class: N/A
 ID #: N/A Packing Inst.: N/A DOT/IMO/IATA: N/A
 EMERGENCY ONLY CONTACT: CHEM-TEL 800-255-3924

III. HMIS (0=minimal hazard; 4 = severe hazard)

Health = 2 Flammability = 1 Reactivity = 0

IV. PRODUCT CONTENT

This product contains 1-methyl-2-pyrrolidone and ammonian which are subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372. All components are on TSCA inventory.

V. HAZARDOUS INGREDIENTS

<u>(Chemical Identity; Common Name)</u>	<u>C.A.S. No.</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Water	7732-18-5	>70		
Polyurethane dispersion	proprietary	1-10		
1-methyl-2-pyrrolidone	872-50-4	1-10		
Polymer solids	proprietary	1-10		
Acrylic copolymer	proprietary	1-10		
Dipropylene glycol monomethyl ether	34590-94-8	1-10	100 ppm	100 ppm
Triethylamine	121-44-8	<1	25 ppm	1 ppm
Ammonia	7664-41-7	<0.1	50 ppm	25 ppm
isopropanol	67-63-0	<0.1	400 ppm	200 ppm

VI. PHYSICAL DATA

APPEARANCE AND COLOR: White liquid. ODOR: Mild amine. BOILING RANGE (degrees F): N/A. VAPOR PRESSURE: N/A. VAPOR DENSITY: N/A. SOLUBILITY IN WATER: N/A. SPECIFIC GRAVITY: 1.03. VOC g/L: 240. EVAPORATION RATE: N/A. pH: N/A.

VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 172 F (calc). FLAMMABILITY RANGE: N/A. AUTOIGNITION TEMPERATURE: N/A. EXTINGUISHING MEDIA: Alcohol foam, dry chemical, carbon dioxide or any Class B fire extinguishing agent. SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers in a fire may rupture due to pressure build-up; use water to cool containers to prevent this.

VIII. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Skin contact, eye contact, inhalation. EYE CONTACT: Will cause irritation to eyes. SKIN CONTACT: Will cause irritation to skin, prolonged or repeated contact can cause moderate irritation if not promptly washed from skin. INHALATION: Inhalation of vapor may cause headache, nausea, and dizziness. CARCINOGENICITY: NTP: No. IARC Monographs: No. OSHA Regulated: No. FIRST AID PROCEDURES: EYES: Upon eye contact, flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms persist. SKIN: Upon skin contact, wash with soap and water. Get medical attention if symptoms persist. INHALATION: Remove to fresh air. Get medical attention if symptoms persist. INGESTION: Do not induce vomiting, call a physician immediately.

IX. REACTIVITY DATA

STABILITY: Stable under normal storage conditions. INCOMPATIBILITY: None. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide. HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

X. SPILL OR LEAK PROCEDURES

SPILLS: Remove sources of ignition. Contain spill. Wear appropriate protective equipment during clean-up and ventilate

area. Absorb with an inert material, such as clay and remove to appropriate waste area. WASTE DISPOSAL METHOD: Do not reuse container. Dispose of container and any unused contents in accordance with Federal, State and Local Waste Disposal Regulations. Do not flush unused contents or residue down drains.

XI. SPECIAL HANDLING AND USE INFORMATION

VENTILATION: Use with adequate ventilation. Use local exhaust to insure that vapor levels are below the lowest component TLV. RESPIRATORY PROTECTION: Not normally needed, if there is not adequate ventilation, use with a NIOSH approved vapor cartridge respirator. SKIN AND EYE PROTECTION: It is always a good safety practice to avoid contact with eyes and skin. If contact may occur, use chemical splash goggles and latex or rubber gloves.

XII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store in excessive heat above 120F. Keep away from heat and flame. Keep container closed when not in use. KEEP OUT OF REACH OF CHILDREN. OTHER PRECAUTIONS: None. WORK SITE ENVIRONMENT: Initially there may be a potential adverse impact on indoor air quality within the general work area during the installation process. Therefore you should advise the building manager or other appropriate person that:

- It will be necessary to establish and maintain adequate ventilation of the work area, without causing the entry of contaminants to other parts of the building; and
- Persons who are sensitive to odors and/or chemicals should be advised to avoid the work area during this process.

The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

N/A - not applicable or not available
 N/K - none known or not known

Filler Stick

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MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Name: Bruce Wood Filler Stick
 Description: Wood Filler Stick

II. DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping name: Not Restricted Hazard Class: N/A
 ID #: N/A Packing Inst.: N/A DOT/IMO/IATA: N/A
 EMERGENCY ONLY CONTACT: CHEM-TEL 800-255-3924

III. HMIS (0=minimal hazard; 4 = severe hazard)

Health = 1 Flammability = 1 Reactivity = 0

IV. PRODUCT CONTENT

This product contains does not contain materials which are subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372. All components are on TSCA inventory.

V. HAZARDOUS INGREDIENTS

<u>(Chemical Identity; Common Name)</u>	<u>C.A.S. No.</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Wax	63231-60-7	30-50		
Polyethylene Wax	8002-74-2	30-50		
Stearic Acid	57-11-4	1309-37-1		
Iron Oxide	1309-37-2	1-10		
Cetyl Alcohol	36653-82-4	1-10		
Stearyl Alcohol	112-92-5	1-10	100 ppm	100 ppm
Myristic Alcohol	112-72-1	<1	25 ppm	1 ppm
Carbon Black	1333-86-4	<0.1	50 ppm	25 ppm

VI. PHYSICAL DATA

APPEARANCE AND COLOR: Solid. ODOR: Mild. BOILING RANGE (degrees F): N/A. VAPOR PRESSURE: N/A. VAPOR DENSITY: N/A. SOLUBILITY IN WATER: N/A. SPECIFIC GRAVITY: 0.95. EVAPORATION RATE: N/A. pH: N/A.

VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Will not flash. FLAMMABILITY RANGE: N/A. AUTOIGNITION TEMPERATURE: N/A. EXTINGUISHING MEDIA: Alcohol foam, dry chemical, carbon dioxide. SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: None..

VIII. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Skin contact, eye contact, inhalation. EYE CONTACT: May cause irritation to eyes. SKIN CONTACT: May cause irritation to skin. INHALATION: N/A.. CARCINOGENICITY: NTP: No. IARC Monographs: No. OSHA Regulated: No. FIRST AID PROCEDURES: EYES: Upon eye contact, flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms persist. SKIN: Upon skin contact, wash with soap and water. Get medical attention if symptoms persist. INHALATION: N/A. INGESTION: Do not induce vomiting, call a physician immediately.

IX. REACTIVITY DATA

STABILITY: Stable under normal storage conditions. INCOMPATIBILITY: None. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide. HAZARDOUS POLYMERIZATION: Will not occur.

X. SPILL OR LEAK PROCEDURES

SPILLS: N/A. WASTE DISPOSAL METHOD: Dispose of container and any unused contents in accordance with Federal, State and Local Waste Disposal Regulations. Do not flush unused contents or residue down drains.

XI. SPECIAL HANDLING AND USE INFORMATION

VENTILATION: Use with adequate ventilation. Use local exhaust to insure that vapor levels are below the lowest component TLV. RESPIRATORY PROTECTION: Not normally needed, if there is not adequate ventilation, use with a NIOSH approved vapor cartridge respirator. SKIN AND EYE PROTECTION: It is always a good safety practice to avoid contact with eyes and skin. If contact may occur, use chemical splash goggles and latex or rubber gloves.

XII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store in excessive heat above 120F. Keep away from heat and flame. Keep container closed when not in use. KEEP OUT OF REACH OF CHILDREN. OTHER PRECAUTIONS: None. WORK SITE ENVIRONMENT: Initially there may be a potential adverse impact on indoor air quality within the general work area during the installation process. Therefore you should advise the building manager or other appropriate person that:

- It will be necessary to establish and maintain adequate ventilation of the work area, without causing the entry of contaminants to other parts of the building; and
- Persons who are sensitive to odors and/or chemicals should be advised to avoid the work area during this process.

The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

N/A - not applicable or not available
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MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Name: Bruce Touch Up Marker
 Description: Marker for Touching Up Wood Flooring

II. DEPARTMENT OF TRANSPORTATION INFORMATION

DOT Basic Description: UN 1263, Paint, 3, II
 EMERGENCY ONLY CONTACT: CHEM-TEL 800-255-3924

III. HMIS (0=minimal hazard; 4 = severe hazard)

Health = 2 Flammability = 3 Reactivity = 0

IV. PRODUCT CONTENT

This product contains materials which are subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372. All components are on TSCA inventory.

V. HAZARDOUS INGREDIENTS

<u>(Chemical Identity; Common Name)</u>	<u>C.A.S. No.</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ethanol	64-17-5	50-70	1000 ppm	1000 ppm
Isobutanol	78-83-1	20-30	100 ppm	50 ppm
Polyketone resin	proprietary	10-20		
n-Propyl Acetate	109-60-4	1-10	200 ppm	200 ppm
Isopropanol	67-63-0	1-10	400 ppm	200 ppm
Dipropylene glycol monomethyl ether	34590-94-8	1-10	100 ppm	100 ppm
m-xylene	108-38-3	<1	100 ppm	100 ppm
ethylebenzene	100-41-4	<1	100 ppm	100 ppm
o-xylene	95-47-6	<1	100 ppm	100 ppm

VI. PHYSICAL DATA

APPEARANCE AND COLOR: Colored liquid. ODOR: Alcohol.
 BOILING RANGE (degrees F): N/A. VAPOR PRESSURE:
 N/A. VAPOR DENSITY: N/A. SOLUBILITY IN WATER: N/A.
 SPECIFIC GRAVITY: 0.85. VOC g/L: 710. EVAPORATION
 RATE: N/A. pH: N/A.

VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 58 F (calc). FLAMMABILITY RANGE: N/A.
 AUTOIGNITION TEMPERATURE: N/A. EXTINGUISHING
 MEDIA: Alcohol foam, dry chemical, carbon dioxide or any
 Class B fire extinguishing agent. SPECIAL FIRE FIGHTING
 PROCEDURES: Protect fire fighters from toxic products of
 combustion by wearing self-contained breathing apparatus.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed
 containers in a fire may rupture due to pressure build-up; use
 water to cool containers to prevent this.

VIII. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Skin contact, eye contact,
 inhalation. EYE CONTACT: Will cause irritation to eyes.
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 repeated contact can cause moderate irritation if not promptly
 washed from skin. INHALATION: Inhalation of vapor may
 cause headache, nausea, and dizziness. CARCINOGENICITY:
 NTP: Yes. IARC Monographs: Yes. OSHA Regulated: No.
 FIRST AID PROCEDURES: EYES: Upon eye contact, flush
 eyes with plenty of water for at least 15 minutes. Get medical
 attention if symptoms persist. SKIN: Upon skin contact, wash
 with soap and water. Get medical attention if symptoms
 persist. INHALATION: Remove to fresh air. Get medical
 attention if symptoms persist. INGESTION: Do not induce
 vomiting, call a physician immediately.

IX. REACTIVITY DATA

STABILITY: Stable under normal storage conditions.
 INCOMPATIBILITY: None. HAZARDOUS
 DECOMPOSITION PRODUCTS: Carbon monoxide, carbon
 dioxide. HAZARDOUS POLYMERIZATION: Will not occur
 under normal conditions.

X. SPILL OR LEAK PROCEDURES

SPILLS: Remove sources of ignition. Contain spill. Wear
 appropriate protective equipment during clean-up and ventilate

area. Absorb with an inert material, such as clay and remove
 to appropriate waste area. WASTE DISPOSAL METHOD: Do
 not reuse container. Dispose of container and any unused
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 component TLV. RESPIRATORY PROTECTION: Not
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 splash goggles and latex or rubber gloves.

XII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND
 STORAGE: Do not store in excessive heat above 120 F. Keep
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 use. KEEP OUT OF REACH OF CHILDREN. OTHER
 PRECAUTIONS: None. WORK SITE ENVIRONMENT: Initially
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 within the general work area during the installation process.
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 appropriate person that:

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