

MATERIAL SAFETY DATA SHEET

SECTION I

Manufacturer's Name: STAR BRONZE COMPANY, INC.
 P.O. Box 2206
 Alliance, Ohio 44601-0206

Emergency Telephone Number:
 330-823-1550

Identity: 51100 Acrylic Urethane Interior Wood Finish
 Satin

Telephone Number for Information:
 330-823-1550

Date Prepared: 5/21/01
 (Revised)

*Water base
 Urethane*

SECTION II - Ingredients

Ingredient	CAS No.	Percent by Weight	OSHA PEL (PPM)	ACGIH TLV (PPM)
Propylene Glycol	57-55-6	3	-----	-----
Wax Emulsion	-----	6	-----	-----
N-Methyl Pyrrolidone	872-50-4	<3	-----	-----
Water	-----	54	-----	-----
Acrylic Copolymer	-----	18	-----	-----
Tripropylene Glycol Methyl Ether	25498-49-1	5	-----	-----
Amorphous Fumed Silica	112945-52-5	<2	-----	-----
Aqueous Polyurethane Resin	-----	8	-----	-----

Section 313: Supplier Notification. This product contains the following toxic chemicals, subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986, and of 40 CFR 372. N-Methyl Pyrrolidone. This information must be included in all Material Safety Data Sheets that are copied and distributed for this material.

SECTION III - Physical/ Chemical Characteristics

Boiling Range: 212°F-396°F
 Vapor Density: Heavier than air
 Evaporation Rate: Slower than Butyl Acetate
 Weight per Gallon: 8.66 lbs.
 Percent Volatile: 70%
 Solubility in Water: Highly soluble in water
 Percent Non-Volatile: 30%
 Specific Gravity: 1.04
 Appearance and Odor: Milky liquid, mild acrylic odor
 Vapor Pressure: Not determined
 VOC: 335 grams/liter
 Solvent Density: 1.0
 VOS: 2.8 lbs./gal

SECTION IV - Fire and Explosion Hazard Data

Flash Point: None
 Flammable Limits:
 LEL: unknown
 UEL: unknown

R1100

Page 2 of 4

SECTION IV - Fire and Explosion Hazard Data (continued)

Extinguishing Media: Water fog, CO2, foam

Special Fire Fighting Procedures: Fight as a volatile liquid fire. Use water fog to cool fire exposed containers.

Unusual Fire and Explosion Hazards: Closed containers could burst when exposed to extreme heat.

HMIS Codes: Health 2 Flammability 0 Reactivity 0

NFPA Codes: Health 2 Flammability 0 Reactivity 0

SECTION V - Reactivity Data

Stability: Stable

Conditions to Avoid: None known

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition of By-products: May form toxic materials, carbon dioxide, carbon monoxide, nitrogen compounds, various hydrocarbons, etc.

Hazardous Polymerization: Cannot occur

SECTION VI - Health Hazard Data

Routes of Entry: Inhalation - Yes Skin - Yes Ingestion - Yes

Health Hazard Acute and Chronic:

Inhalation: Excessive inhalation of vapors could cause nasal and respiratory irritation and discomfort. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or prove fatal.

Skin: Prolonged or repeated contact can cause irritation, dermatitis, can be absorbed through the skin.

Eyes: Can cause irritation and conjunctivitis.

Ingestion: May cause irritation of mouth, pharynx, esophagus, stomach, abdominal discomfort, nausea and diarrhea.

Chronic Overexposure: May cause permanent brain and nervous system damage.

Medical Conditions Aggravated by Exposure: None known.

Carcinogenicity: This material does not contain 0.1% or more of any chemical listed by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or regulated by the Occupational Safety and Health Administration (OSHA) as a carcinogen.

Emergency First Aid Procedures:

Inhalation: Remove to fresh air. If difficulty in breathing or respiratory symptoms develop, get medical attention.

Skin: Wash thoroughly with water. If irritation persists, get medical attention.

Eyes: Immediately wash or flush eyes thoroughly with water for 15 minutes. Contact a physician.

SECTION VI - Health Hazard Data (continued)

Ingestion: Immediately give one or two glasses of water and call a physician, hospital emergency room or poison control center for way to induce vomiting.

SECTION VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled

Small Spill: Wipe up with absorbent material. Transfer to closed container.

Large Spill: Ventilate the area, wipe up or soak up with absorbent material. Transfer to closed containers.

Waste Disposal Method:

Small Spill: Dispose of in accordance with local, state and federal regulations.

Large Spill: Dispose of in accordance with local, state and federal regulations.

Precautions to be taken in handling and storing: Keep away from freezing. Keep containers upright and tightly closed when not in use. Use with adequate ventilation.

Other precautions: None

SECTION VIII - Control Measures

Respiratory Protection: None required when good ventilation is maintained. Appropriate respirator selected and used in accordance with OSHA Sub Part 1 (29CFR 1910.134) required when air born contaminants are likely to exceed acceptable limits.

Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

Protective Gloves: Wear chemical and water resistant gloves where there will be excessive and prolonged skin contact.

Eye Protection: Where there is reasonable probability of eye contact, wear safety goggles or face shield.

Other Protective Clothing or Equipment: Wear appropriate equipment to prevent repeated and prolonged skin contact.

Work/ Hygienic Practices: Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mist. Wash thoroughly after handling and before eating, drinking or smoking. Remove any contaminated clothing promptly and clean thoroughly before reuse.

SECTION IX - Transportation Data

DOT Proper Shipping Description: Paint

DOT Class: None

DOT ID Number: None

DOT Packaging Group: None

This material is not regulated by DOT

R1110

Page 4 of 4

SECTION X - Regulatory Information

Reportable Quantity: N/A

Toxic Substance Control Act

All ingredients are listed or comply with TSCA Inventory

SARA 311/312 Categories

Health: immediate health, delayed health

SARA 313 Listed Ingredients

N-Methy-Pyrrolidone

The information and recommendations contained herein have been compiled from sources believed to be accurate and reliable. The information herein is given in good faith, but no warranty, expressed or implied, is made.