

Material Safety Data Sheet**Series 76400****1 Company and Product Identification**

Manufacturer's Name: STAR BRONZE COMPANY, INC.
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Emergency Telephone: 330-823-1550

Information Telephone: 330-823-1550

Identity: **76400 Acetone**

Date Prepared: April 5, 2001 (revised)

2 Ingredient Composition Information

Ingredient CAS No.	% by weight	--- PPM ---	
		OSHA PEL	ACGIH TLV
Acetone 67-64-1	100	750	500

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. **NONE.**

This information must be included in all Material Safety Data Sheets that are copied and distributed for this material.

3 Physical and Chemical Properties

Boiling Range:	133°F
Evaporation Rate:	(n-Butyl Acetate = 1) 14.40
Percent Volatile:	100%
Appearance and Odor:	clear liquid, ketone odor
VOC:	790 grams/liter
VOS:	6.59 lbs./gal.
Vapor Density:	(Air = 1) 2.0
Weight per Gallon:	6.59 lbs.
Solubility in Water:	infinitely soluble in water
Specific Gravity:	.785 - .788
Vapor Pressure:	186 mm Hg @ 20°C
Solvent Density:	.788

4 Fire and Explosion Hazard Data

Flash Point: - 4°F Flammable Limits:

LEL: 2.6% UEL: 12.8

Extinguishing Media: Alcohol foam, carbon dioxide or dry chemical.

Special Fire Fighting Procedures: Water may be ineffective, water may be used to keep fire exposed containers cool until fire is out. Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with

appropriate turn out gear and chemical resistant personal protective equipment.

Unusual Fire and Explosion Hazards: Material is highly volatile and readily gives off vapor which may travel along the ground or may be moved by ventilation and ignited by heat, pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations distant from material handling point. Keep away from heat, sparks, pilot lights and other sources of ignition. Closed containers may explode when exposed to extreme heat. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Hazardous Products of Combustion: May form carbon dioxide and carbon monoxide.

HMIS Codes: Health 1, Flammability 3, Reactivity 0

NFPA Codes: Health 1, Flammability 3, Reactivity 0

5 Reactivity Data

Stability: Stable **Conditions to Avoid:** N/A

Incompatibility: Avoid contact with strong oxidizing agents, strong alkalis, strong mineral acids.

Hazardous Decomposition of By-products: May form carbon dioxide, carbon monoxide.

Hazardous Polymerization: Cannot occur

6 Health Hazard Data

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

Health Hazard Acute and Chronic:

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea and headache and possible unconsciousness or in extreme cases, death. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or prove fatal.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Eyes: Can cause irritation, redness, tearing, stinging and swelling of eyes.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Chronic Overexposure: Repeated or prolonged solvent overexposure may cause permanent brain/nervous system damage. This material (or a component) shortens the time

of onset or worsens the liver and kidney damage induced by other chemicals. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects; mild, reversible kidney effects.

Medical Conditions Aggravated by Exposure: unknown

Carcinogenicity: IARC - not listed; NTP - not listed; OSHA - not listed.

Emergency First Aid Procedures:

Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.

Skin: Thoroughly wash exposed area with soap and water. If symptoms persist, seek medical attention. Remove contaminated clothing. Launder before reuse.

Eyes: Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.

Ingestion: This material is an aspiration hazard. If swallowed, do not induce vomiting. Call physician immediately.

7 Precautions for Safe Handling & Use

Steps to be taken in case material is released or spilled

Small Spill: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to vent hood or closed container.

Large Spill: Eliminate ignition sources (flares, flames, pilot lights, electrical sparks). Contain liquid, stop spill at source and prevent run off to sewers. Ventilate area, avoid breathing vapors. Clean up with absorbent material and place in closed container for disposal.

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: Store in cool, dry area. Avoid flames and high temperatures. Store upright to prevent leaks. Keep container tightly closed. All 5 gallon pails and larger containers should be grounded and bonded when material is transferred.

Other precautions: None

8 Control Measures

Respiratory Protection: If work place exposure limits of product or any component are exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL & TLV.

Protective Gloves: Wear resistant gloves such as natural rubber, neoprene, nitrile rubber.

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are advised. However, OSHA regulations also permit other types of safety glasses (consult your safety equipment supplier).

Other Protective Clothing or Equipment: Where prolonged or frequently repeated contact could occur use protective clothing impervious to this material. Selection of specific items, such as gloves, boots or aprons will depend upon operation.

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 before reuse.

9 Transportation Data

Proper Shipping Description	Hazard Class	ID#	Pkg Group	Label Req.
Pints				
Consumer Commodity	ORMD	none	none	none
Quarts				
Consumer Commodity	ORMD	none	none	none
Gallons				
Acetone	3	UN1090	II	Flammable
5 Gallon Pails				
Acetone	3	UN1090	II	Flammable
55 Gallon Drums				
Acetone	3	UN1090	II	Flammable

10 Regulatory Information

Reportable quantity (Rq)

Acetone 5,000 lbs

Toxic Substances Control Act: The intentional ingredients of this product are listed.

SARA 311/312 Hazard Categories: Health - Immediate Health, Delayed health, Fire

SARA 313 Components: None

California Proposition 65 Warning: This product contains chemicals known to the State of California to cause cancer (acetaldehyde, formaldehyde (gas) and Benzene) This product contains chemicals known to the State of California to cause reproductive harm (benzene). **Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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.