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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** 101MA COPPER SPRAY-A-GASKET 9 OZ  
**Item No:** 80697  
**Product Type:** Aerosol sealant

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	Weight%	ACGIH; TLV-TWA	OSHA PEL
PETROLEUM GASES, LIQUEFIED, SWEETENED 68476-86-8	30-60	Not listed	Not listed
ACETONE 67-64-1	15-40	500 ppm	1000 ppm; 2400 mg/m <sup>3</sup>
DICHLOROMETHANE 75-09-2	15-40	50 ppm	25 ppm
ETHYL ACETATE 141-78-6	<10	400 ppm	400 ppm; 1400 mg/m <sup>3</sup>
SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH. 64742-89-8	<5	Not listed	Not listed
COPPER 7440-50-8	<2	0.2 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause nose, throat and respiratory irritation. May cause eye and skin irritation. Intentional misuse by concentrating and inhaling the vapor may be harmful or fatal. Excessive inhalation causes headache, dizziness, nausea, and incoordination. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss. Ethyl acetate may cause anemia. Dichloromethane will have an effect on the cardiovascular system. Inhalation of high concentrations of Dichloromethane over long periods of time has caused cancer in laboratory animals. Long term exposure to high concentrations of vapor may cause lung, liver or kidney damage.

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation

**Signs and Symptoms of Exposure:** Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Inhaling may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. May cause pain, redness or swelling of the eyes and excessive blinking and tear production. Skin: Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying, cracking and skin burns. Preexisting skin disorders may be aggravated by exposure. . Swallowing: This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration into the lungs can cause chemical pneumonia which can be fatal.

Component:	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
ACETONE 67-64-1	15-40		A4 - Not Classifiable as a Human Carcinogen	
DICHLOROMETHANE 75-09-2	15-40	Group 2: Suspect Carcinogen	A3 - Animal Carcinogen	Group 2B: Monograph 41, Supplement 7, Monograph 71; 1998
COPPER 7440-50-8	<2		A4 Not classifiable as a human carcinogen	

**Aggravated Medical Condition:** Cardiovascular problems may be aggravated by overexposure to dichloromethane. Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected. Since this product contain copper compounds, individuals with Wilson's Disease should avoid exposure to this product.

#### 4. FIRST AID MEASURES

<b>Ingestion:</b>	If swallowed, do not induce vomiting - seek medical advice. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.
<b>Skin Contact:</b>	Wash off with soap and water. If skin irritation persists, call a physician.
<b>Eye Contact:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

#### 5. FIRE FIGHTING MEASURES

<b>Flash Point °F(C°):</b>	Extremely flammable per flame projection test
<b>Recommended Extinguishing Media:</b>	Carbon dioxide, Dry chemical, Foam
<b>Special Fire-Fighting Procedures:</b>	Firefighters should wear self-contained breathing apparatus. Keep containers cool. Use equipment or shielding required to protect against bursting or venting of containers. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Chlorine, Hydrogen chloride, Phosgene
<b>Unusual Fire/Explosion Hazards:</b>	Contents under pressure. Exposure to temperatures over 120 degrees F. may cause bursting or venting. Use equipment or shielding to protect personnel from bursting containers.
<b>Lower Explosive Limit:</b>	Not determined.
<b>Upper Explosive Limit:</b>	Not determined.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Spill Procedures:</b>	Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.
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#### 7. HANDLING AND STORAGE

<b>Storage:</b>	Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C). Exposure to high temperatures may cause container to burst. Store in accordance with NFPA 30B for Level 3 Aerosols.
<b>Handling:</b>	Do not use near heat, sparks or open flame. Do not puncture or incinerate container. Use in a well ventilated area to prevent irritation by vapors. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Intentionally concentrating and inhaling the vapor may be harmful or fatal. Avoid contact with skin and eyes. Wash thoroughly after handling.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Eyes:</b>	Safety glasses.
<b>Skin:</b>	Neoprene or nitrile gloves recommended.
<b>Ventilation:</b>	Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
<b>Respiratory Protection:</b>	An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Copper colored
<b>Odor:</b>	Solvent
<b>Boiling Point:</b>	>100°F
<b>pH:</b>	Does not apply
<b>Solubility in Water:</b>	Nil
<b>Specific Gravity:</b>	1.05
<b>VOC(Wt.%):</b>	44.9%
<b>Vapor Pressure:</b>	Not determined
<b>Vapor Density (Air=1):</b>	>1 (air = 1)
<b>Evaporation Rate:</b>	>1 (butyl acetate = 1)

#### 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable at normal conditions
<b>Hazardous Polymerization:</b>	Will not occur
<b>Incompatibilities:</b>	Strong oxidizers, strong alkalis, reactive metals
<b>Conditions to Avoid:</b>	Keep away from heat, sparks and open flame. - No smoking
<b>Hazardous Products of Combustion:</b>	Oxides of carbon, Chlorine, Hydrogen chloride, Phosgene

## 11. TOXICOLOGICAL INFORMATION

See Section 3

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

**Recommended Method of Disposal:** Dispose of in accordance with local, state and federal regulations. This container may be recycled in aerosol recycling centers. Before offering for recycling, empty the can by using the product according to the label. If recycling is not available, wrap the container and discard in the trash.

**US EPA Waste Number:** D001/F002 - Hazardous waste per 40CFR 261.21 and 261.31 (Dichloromethane)

## 14. TRANSPORTATION INFORMATION

### DOT (49CFR 172)

#### U.S. Department of Transportation - DOT - 49 CFR (Ground)

**DOT Shipping Name:** Aerosols, Limited Quantity  
**Hazard Class:** Class 2.1  
**UN/ID Number:** UN 1950

### IATA (Air)

**Proper Shipping Name:** Aerosols, flammable, containing substances in Division 6.1, Packing Group III  
**Class or Division:** Class 2.1, Subsidiary Risk 6.1  
**UN/ID Number:** UN 1950

### IMDG (Vessel)

**Proper Shipping Name:** Aerosols, Limited Quantity  
**Hazard Class:** Class 2.1, 6.1  
**UN Number:** UN 1950

**Marine Pollutant:** Copper

## 15. REGULATORY INFORMATION

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

DICHLOROMETHANE, COPPER

**California Proposition 65:** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm

**TSCA Inventory Status:** All components of this product are listed (or exempt) on the EPA TSCA inventory.

## 16. OTHER INFORMATION

**Estimated NFPA Rating:** HEALTH 3, FLAMMABILITY 4, REACTIVITY 1.  
**Estimated HMIS Classification:** HEALTH 3, FLAMMABILITY 4, PHYSICAL HAZARD 0  
(NFPA is a registered trademark of the National Fire Protection Association)  
(HMIS is a registered trademark of the National Paint and Coatings Association)

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