

Permatex, Inc.
 10 Columbus Blvd.
 Hartford, CT 06106 USA
 Telephone: 1-87-Permatex
 (877) 376-2839
 Emergency: 800-255-3924
 International Emergency: 813-248-0585

SAFETY DATA SHEET
 according to EC Directive 2001/58/EC

1. IDENTIFICATION OF THE PREPARATION

Identification of the preparation: **101MA COPPER SPRAY-A-GASKET 9 OZ AE**
 Item No: **80697**
 Recommended use: **Sealant**

2. HAZARDS IDENTIFICATION

Classification: F - Highly flammable, Xn - Harmful
Most Important Hazards: Warning! Container under pressure. Highly flammable. Suspect cancer hazard - risk of cancer depends on duration and level of exposure. Contact with eyes may cause irritation. Repeated exposure may cause skin dryness or cracking. May cause drowsiness and dizziness.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | Weight% | EC Number | EU Classification | Exposure limits |
|---|---------|-----------|---|--|
| ACETONE 67-64-1 | 15-40 | 200-662-2 | F;R11 R66 R67 Xi;R36 | 500 ppm; 1188 mg/m ³ TWA ACGIH |
| PROPANE 74-98-6 | 10-30 | 200-827-9 | F+;R12 | simple asphyxiant: 2500 ppm TWA ACGIH |
| BUTANE 106-97-8 | 15-40 | 203-448-7 | F+;R12 | 800 ppm; 1900 mg/m ³ TWA ACGIH |
| DICHLOROMETHANE 75-09-2 | 10-30 | 200-838-9 | Carc. Cat.3;R40 | 50 ppm; 174 mg/m ³ TWA ACGIH |
| ETHYL ACETATE 141-78-6 | <3 | 205-500-4 | F;R11 R66 R67 Xi;R36 | 400 ppm TWA ACGIH |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH. 64742-89-8 | <3 | 265-192-2 | F;R11 Carc.Cat.2;R45 Nota P Xn;R65 Xi;R38 N;R51/53 | Not listed |
| COPPER 7440-50-8 | <5 | 231-159-6 | | 1.0 mg/m ³ (dust and mist as Cu), 0.2 mg/m ³ (fumes) TWA ACGIH |

4. FIRST-AID MEASURES

General advice: If you feel unwell, seek medical advice (show the label where possible).
Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.
Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.

4. FIRST-AID MEASURES

| | |
|------------------------------------|---|
| Eye Contact: | In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| Ingestion: | If swallowed, seek medical advice immediately and show this container or label. |
| Protection of first-aiders: | Avoid contact with skin, eyes and clothing. |
| Notes to Physician: | Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy. |

5. FIRE-FIGHTING MEASURES

| | |
|---|--|
| Suitable Extinguishing Media: | water spray, Carbon dioxide (CO2), dry chemical, foam |
| Extinguishing media which must not be used for safety reasons: | None reasonably foreseeable. |
| Special instructions for protection and hygiene: | Flammable. Keep away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapours. |
| Special protective equipment for firefighters: | Use personal protective equipment. Avoid contact with eyes. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|-----------------------------------|---|
| Personal Precautions: | For additional information on processing see sections 7, 8 and 11 of this safety data sheet. |
| Environmental Precautions: | Do not flush into surface water or sanitary sewer system.. |
| Cleanup: | Ensure adequate ventilation. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. |

7. HANDLING AND STORAGE

| | |
|------------------------------|---|
| Handling precautions: | Keep away from sources of ignition - No smoking Avoid contact with the skin and the eyes. Avoid breathing vapors or mists. Wash hands before breaks and immediately after handling the product. |
| Storage: | Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|--------------------------------|---|
| Ventilation: | Provide adequate ventilation . |
| Respiratory Protection: | In case of insufficient ventilation, wear suitable respiratory equipment. |
| Skin: | Rubber or plastic gloves. |
| Eyes: | Safety glasses. |
| Hygiene Measures: | When using, do not eat, drink or smoke. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| Appearance: | copper liquid |
| Odor: | Solvent |
| pH: | Does not apply |
| Boiling point/range: | No information available |
| Melting point: | Not determined |
| Flash point: | <0 C. |
| Risk of explosion: | Flammable. Keep away from heat and sources of ignition. Vapours are heavier than air and may spread along floors. |
| Vapor pressure: | 41-51 psig |
| Density: | 0.93 |
| Solubility in water: | Negligible |
| Partition coefficient (n-octanol/water): | Not determined |

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor density: >1 (Air = 1)
Evaporation Rate: >1.0 (butyl acetate = 1)
VOC Content(%): <45%

10. STABILITY/REACTIVITY

Stability: Stable under normal conditions.
Conditions to Avoid: Heat.
Materials to avoid: Strong oxidizing agents, Heavy metal salts, Alkalies
Hazardous decomposition products: Chlorine, Carbon oxides, Phosgene, Hydrogen chloride gas, Barium

11. TOXICOLOGICAL INFORMATION

| Component | Weight% | LD50/oral/rat | LC50/inhalation/rat |
|--|----------------|----------------------|--------------------------------|
| ACETONE 67-64-1 | 15-40 | 1800 mg/kg | 76 mg/L/4H |
| BUTANE 106-97-8 | 15-40 | | 658 g/m ³ /4H |
| DICHLOROMETHANE 75-09-2 | 10-30 | 1410 mg/kg | inhal rat 52 gm/m ³ |
| ETHYL ACETATE 141-78-6 | <3 | 5620 mg/kg | |
| SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH. 64742-89-8 | <3 | 5000 mg/kg | |

Local Effects

Skin Irritation: May cause skin irritation and/or dermatitis.
Eye Irritation: Irritating, but will not permanently injure eye tissue. Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.
Inhalation: May cause irritation of respiratory tract. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Exposure to decomposition products may be a hazard to health.
Ingestion: Irritating to mouth, throat and stomach. May cause vomiting
Sensitization: None reasonably foreseeable.
Chronic toxicity: May cause cancer by inhalation

Specific Effects

Carcinogenic effects: This product contains one or more substances which are classified in the EU as carcinogenic.
Mutagenic effects: None reasonably foreseeable.
Reproductive toxicity: None reasonably foreseeable.
Target Organ Effects: Eyes, Skin, Respiratory System, Gastrointestinal Tract

12. ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Waste from Residues: According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

13. DISPOSAL CONSIDERATIONS

RoHS/WEEE: This product is in compliance with EU Directive 2002/95/EC Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) and EU Directive 2002/96/EC Restriction on waste electrical and electronic equipment (WEEE).

14. TRANSPORT INFORMATION

IATA

Proper Shipping Name: Aerosols, flammable, containing substances in Division 6.1, Packing Group III
Hazard Class: Class 2, Subsidiary Risk 6.1
UN/ID No: UN 1950

IMDG

Proper shipping name: Aerosols
Hazard Class: Class 2.1, Subsidiary Risk 6.1
UN/ID No: UN 1950
Marine Pollutant: None

ADR/RID

Proper Shipping Name: Aerosols toxic flammable
Hazard Class: Class 2.1 Subsidiary Risk 6.1
UN/ID No: UN 1950
ADR/RID: ADR/RID-Labels: 2.1, 6.1

15. REGULATORY INFORMATION

This product is classified in accordance with Annex VI to Directive 67/548/EEC

Suspect cancer hazard. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Indication of Danger:

F - Highly flammable, Xn - Harmful, acetone, dichloromethane

R -phrase(s):

R11 - Highly flammable
R36 - Irritating to eyes
R40 - Limited evidence of a carcinogenic effect
R44 - Risk of explosion if heated under confinement
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R66 - Repeated exposure may cause skin dryness or cracking
R67 - Vapours may cause drowsiness and dizziness

S -phrase(s):

S 2 - Keep out of the reach of children
S16 - Keep away from sources of ignition - No smoking
S23 - Do not breathe vapour
S25 - Avoid contact with eyes
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37 - Wear suitable protective clothing and gloves
S51 - Use only in well-ventilated areas
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets

Product Name: 101MA COPPER SPRAY-A-GASKET 9
OZ AE

Item No: 80697

16. OTHER INFORMATION

Risk Phrases mentioned in Section 2:

R11 - Highly flammable.

R12 - Extremely flammable.

R36 - Irritating to eyes.

R38 - Irritating to skin.

R40 - Limited evidence of a carcinogenic effect

R45 - May cause cancer.

R65 - Harmful: may cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapours may cause drowsiness and dizziness

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Prepared By: Denise Boyd, Health and Safety
Manager

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Company: Permatex. Inc. 10 Columbus
Blvd. Hartford, CT USA 06106

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Telephone: 877-376-2839