

Product Name: **ROP 604**Product Description: **Solvent-free conductive adhesive**

IN THE EVENT OF A CHEMICAL EMERGENCY INVOLVING A SPILL, LEAK, FIRE, EXPLOSION, EXPOSURE OR ACCIDENT CONTACT THE FOLLOWING NUMBERS:

**EMERGENCY 24 HOUR NUMBERS:** (USA) CHEMTREC 1-800-424-9300 (Canada) CANUTEC 1-613-996-6666

**GENERAL INFORMATION NUMBERS:** (USA) 1-954-246-8888 (Canada) 1-450-662-1212

**CONSUMER STATEMENT:**

CAUTION - EYE IRRITANT. NON-TOXIC.

**WORK AND HYGIENE PRACTICE:**

Remove contaminated clothing immediately. Wash hands, after each use and before eating, drinking, or using toiletries. Minimize contact of product on skins.

## I - GENERAL INFORMATION

**MANUFACTURER:**

<u>USA and Puerto Rico</u>	<u>Canada</u>
MAPEI CORPORATION	MAPEI, INC.
1144 East Newport Center Drive	2900 Francis-Hughes Avenue
Deerfield Beach, FL 33442	Laval, QC H7L 3J5
Ph: (954) 246-8888	Ph: (450) 662-1212

**MSDS PREPARED BY:**

Regulatory Affairs Department - MAPEI North America

**REVISION DATE: 04-08-27**

For most current MSDS, download document from: [www.mapei.com](http://www.mapei.com)

## II - PHYSICAL CHARACTERISTICS

Calculated VOC (See below.)	0g/L
Boiling Point	212°F (100°C)
Vapor Pressure (mmHg)	N/E
Vapor Density (AIR=1)	N/E
Specific Gravity (H2O=1)	1,15
Melting/Freezing Point (F)	N/A
Evaporation Rate (Butyl Acetate=1)	Same as water.
Solubility in water	Dispersible
pH (paste/liquid)	7,5-8,5
Appearance and Odor	Black paste. Slight latex odor.
	(VOC per CA South Coast Air Quality Management District, Rule 1168)

## III - HAZARD ASSESSMENT

**Hazardous Components**

(specific chemical identity; common names):

OSHA (PEL)	ACGIH (TLV-TWA)	Other Limits Recommended	% Percent (Optional)
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THIS PRODUCT CONTAINS NO HAZARDOUS INGREDIENTS AS DEFINED BY US OSHA HAZARD COMMUNICATION STANDARD - 29 CFR 1910.1200 OR SECTION 13 OF THE CANADIAN HAZARDOUS PRODUCTS ACT.

US OSHA AND HEALTH CANADA DO NOT REGULATE THIS PRODUCT AS A HAZARDOUS SUBSTANCE. THIS DATASHEET IS PROVIDED AS A COURTESY TO GUIDE PROPER HANDLING OF THE MATERIAL AND SAFE WORK PRACTICES IN GENERAL.

For California (Proposition 65): This product contains no chemicals reportable under Proposition 65.

All ingredients are listed within the US TSCA and Canadian DSL.

(USA) - HMIS (Hazardous Materials Identification System) Rating: Health - 1 Fire - 0 Reactivity - 0 Protection - B

(Canada) - WHMIS (Workplace Hazardous Materials Information System) Classifications: Not regulated under WHMIS.

## IV - TRANSPORTATION

**By GROUND - USA and Puerto Rico (DOT):**

Not Regulated

**By GROUND - Canada (TDG):**

Not Regulated

**By SEA (IMDG):**

Not Regulated

**By AIR (IATA):**

Not Regulated

NOTE: Classifications utilizing the term "LIMITED QUANTITY" at the end of a transportation mode's shipping description allows the product container to be packaged within a sturdy outer container (over pack) in lieu of a UN container for that mode of transportation.

## V - FIRE AND EXPLOSION HAZARD DATA

Flash Point - N/E Lower Explosive Limit (%) - N/E Upper Explosive Limit (%) - N/E

Unusual Fire and Explosion Hazards - Some decomposition products may be harmful.

**Extinguishing Media:**

Product will not burn until all water content has evaporated. Water spray, carbon dioxide, dry chemical or foam.

**Special Fire Fighting Procedures:**

Wear standard fire fighting gear with self-contained breathing apparatus.

N/A="Not Applicable" N/E="Not Established"

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**VI - REACTIVITY DATA**

Stability: Stable Conditions to Avoid: None known.  
Incompatibility (Materials to Avoid): Strong oxidizing agents, strong acids, and strong bases.  
Hazard Decomposition of By-products: Carbon monoxide, carbon dioxide, oxides of nitrogen, and other unidentified organic compounds.  
Polymerization: Will Not Occur Conditions to Avoid: None known.

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**VII - HEALTH HAZARD DATA AND FIRST AID**

Routes of entry during normal usage: Inhalation? YES Skin? YES Ingestion? YES

**Health Hazards:**

Acute: Inhalation or contact can cause irritation to eyes, skin, nose or throat to sensitive people. If ingested can cause nausea, vomiting, griping, and diarrhea.

Chronic: NO

Carcinogenicity: NTP - NO IARC - NO OSHA - NO

**Signs and Symptoms of Overexposure:**

Nausea; vomiting; nose and throat irritation; eye irritation; and skin irritation.

**Medical Conditions That Can Be Aggravated by Exposure:**

Allergies, skin and respiratory disorders. Product sensitivity.

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**VIII - EMERGENCY AND FIRST AID PROCEDURE**

Eyes - Flush with cool water for 15 minutes while holding eyelid open. If irritation persists, seek medical attention immediately.  
Skin - Avoid contact with skin. Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek immediate medical attention.  
Inhalation - Remove to fresh air. If not breathing, trained personnel should initiate artificial respirations and immediate medical attention should be obtained.  
Ingestion - Do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention immediately.

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**IX - PRECAUTIONS FOR SAFE HANDLING AND USE****Steps to be taken if Material is Leaked or Spilled:**

While using appropriate protective equipment, place spilled material in poly drum, or container required by local disposal company, and store in a safe place till material can be disposed of in accordance with regulations.

**Waste Disposal Method:**

Dispose of in accordance with local, state, and federal regulations governing your location.

**Precautions to be taken during Handling and Storage:**

Keep container closed when not in use. Store at 60 - 95°F(15 - 35°C) and out of the sun. Use adequate ventilation to avoid breathing vapors when cover is removed.

**Other Precautions:**

Avoid prolonged skin contact.

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**X - CONTROL MEASURES****Respiratory Protection:**

If workplace exposure limit of product is exceeded, a NIOSH/MSHA approved air supplied respirator is required in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.

**Ventilation:** Local Exhaust - Use in WELL VENTILATED areas only. Mechanical - Use only intrinsically safe devices.  
Special - N/A Other - N/A

**Eye Protection -** Safety glasses or goggles as necessary to prevent eye contact.

**Protective Gloves -** Impervious. (Nitrile, rubber, or better)

**Other Protective Equipment -** As needed to minimize contact with skin.

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