

MATERIAL SAFETY DATA SHEET

PIEZO CLEANING SOLUTION

1. Production Information

Product Name: Piezo cleaning solution
 Chemical family/Product type: Ink jet ink; water based; non-flammable
 Manufacturer: M&R Sales and Service
 Address: 1 N 372 Main St.
 Glen Ellyn, IL 60137
 Emergency Phone Number: 303-371-6979
 CAS Number: Mixture/ Trade Secret

2. Composition

Hazards Identification	Weight %	Toxicity Data		
Water CAS# 7732-18-5	> 50	ACGIH TLV Not Established	OSHA TWA Not Established	Oral Rat LD50 Not Established
Propylene glycol CAS# 57-55-6	< 20	ACGIH TLV Not Established	OSHA TWA Not Established	Oral Rat LD50 20,000 mg/kg
Isopropyl alcohol CAS# 67-63-0	< 10	ACGIH TLV Not Established	OSHA TWA 980 mg/m	Oral Rat LD50 20,000 mg/kg
Glycerin CAS # 56-81-5	< 10	ACGIH TLV Not Established	OSHA PEL Not Established	Oral Rat LD50 20,000 mg/kg
FD & C Red #52	< 5	ACGIH TLV Not Established	OSHA PEL Not Established	Oral Rat LD50 20,000 mg/kg
Surfactant	< 5	ACGIH TLV Not Established	OSHA PEL Not Established	Oral Rat LD50 20,000 mg/kg
				0

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3. Physical Data

Appearance	Red Colored Liquid
Solubility in Water	Miscible
Freezing Point	Not Established.
Boiling Point	Not Established.
PH (100%)	~ 7-10
Specific Gravity, 25 C	1.01 - 1.06
Viscosity, cps @ 25 C	2-4
Flash Point, C	Not Established.

4. Hazards

Skin:	May cause irritation.
Eyes:	May cause irritation.
Respiratory System:	May cause irritation.
Target Organs:	Not Established.

5. First Aid

Skin:	Wash with soap and water and rinse thoroughly.
Eyes:	Flush eyes and under eyelids for 15 minutes with water. Seek medical Attention if irritation or redness persists.
Inhalation:	Move to fresh air. Seek medical attention If irritation persists.
Ingestion:	Give water to dilute and get medical attention.

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6. Fire Fighting Measures

Extinguishing Media:	Water Spray, carbon dioxide, dry chemical.
Hazardous Combustion Products:	Material may burn in fire conditions releasing Products which may be toxic (SO ₂ CO,CO ₂ , and volatile organics).
Fire Fighting Procedures:	Wear approved MSHA/NIOSH breathing Apparatus and full protective clothing.

7.Exposure Controls/Personal Protection

In accordance with good industrial practices, handle with care and avoid personal contact.

Wear protective gloves, safety goggles, and other protective clothing.

Avoid contact with skin, eyes, and clothing.

Mechanical exhaust required.

Irritant.

Keep tightly closed.

8.Reactive Data

Stability:	Stable
Incompatibility:	Strong Oxidizing agents, Strong Acids
Hazardous Decomposition Products:	Carbon monoxide, Carbon Dioxide, Sulfur Oxides.

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9. Accidental Release

Spill Response:	Collect spilled material and wash area With water
Neutralizing Chemicals:	None Required
Waste Disposal:	Follow all federal, state and local regulations

10. Regulatory Information

SARA Title III 313 Information

See section 2 " Composition " for applicable chemicals.

TOXIC Substance Control Act Status

All ingredients are listed on the Environmental Protection Agency's Toxic
Substance Control Act (TSCA) Inventory.

11. Transport Information

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be nonhazardous
For transport.

12. Other

The above information is believed to be correct but does not purport to be all inclusive
and shall only be used as a guide. Spectracorp offers this information as a service to
our customers and shall not be held liable for any damage resulting from handling or
from contact with the above product.