



## M<sup>2</sup> Polymer Technologies, Inc.

PO Box 365  
West Dundee, IL 60118 USA  
Tel. 847-836-1393  
Fax. 847-836-6483

SAFETY DATA SHEET: May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

EFFECTIVE DATE: March 24, 2015

### SECTION I CHEMICAL PRODUCT & SUPPLIER'S IDENTIFICATION

**Product Name:** PIPE-X-METAL-X™  
**Chemical Type:** Cleaning compound for removal of polychlorinated biphenyls (PCBs)

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Telephone Number for Information: 847/836-1393  
Last Update : March 24, 2015

### SECTION II HAZARD IDENTIFICATION

#### Emergency Overview

Caution. May cause irritation to the eyes, skin and respiratory system.

#### Potential Health Effects - Eyes

Eye irritation develops immediately with contact and may cause mild to severe irritation experienced as discomfort or pain, excessive blinking and tear production and redness.

#### Potential Health Effects - Skin

Skin irritation develops slowly after contact. Brief contact may cause slight irritation on sensitive skin. Prolonged contact, especially with concentrate may cause irritation, dryness, chapping and redness.

#### Potential Health Effects - Ingestion

Ingestion may produce gastrointestinal disturbances including irritation, nausea and diarrhea. Ingestion of large amounts may result in serious damage to GI tract.

#### Potential Health Effects - Inhalation

Inhalation of high concentration of vapors may upset stomach and cause slight irritation of the respiratory tract.

#### HMIS Ratings: Health 1 Fire 0 Reactivity 0

Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe \*=Chronic Hazard

### SECTION III COMPOSITION / INGREDIENT INFORMATION

| CAS #      | Component               | OSHA PEL             | ACGIH TLV           |
|------------|-------------------------|----------------------|---------------------|
| 139-13-9   | Nitritotriacetic Acid   |                      |                     |
| 6834-92-0  | Sodium Metasilicate     | 2 mg/m <sup>3</sup>  | 2 mg/m <sup>3</sup> |
| 141-43-5   | Monoethanolamine        | 3 mg/m <sup>3</sup>  |                     |
| 111-76-2   | Ethylene Glycol         | 25 mg/m <sup>3</sup> |                     |
| 684-39-463 | Nonylphenol Ethoxylate  |                      |                     |
| 1300-72-7  | Sodium Xylene Sulfonate | 10 mg/m <sup>3</sup> |                     |
|            | Water                   |                      |                     |

#### Component Information/Information on Non-Hazardous Components

The components of this product are not regulated as hazardous under 29 CFR and 49 CFR. However, the manufacturer recognizes the potential for respiratory tract irritation as a result of inhalation of this material as a respirable dust. See Sections 8, 11, 14 and 15 for further information.

### SECTION IV FIRST AID MEASURES

#### First Aid - Eyes

Immediately flush eyes with water for at least 15 minutes. If irritation persists get medical attention.

#### First Aid - Skin

Flush with large amounts of water while removing contaminated clothing and shoes. If irritation persists get medical attention.

#### First Aid - Ingestion

If swallowed, do not induce vomiting. Get immediate medical attention.

#### First Aid - Inhalation

If inhaled and symptoms are felt, move to source of fresh air. Seek medical attention if symptoms persist.

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**SECTION V****FIRE FIGHTING MEASURES**

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**General Fire Hazards**

No recognized fire hazards associated with the product.

**Upper Flammable Limit (UFL):**

**Not applicable**

**Lower Flammable Limit (LFL):**

**Not applicable**

**Flash Point:**

**None**

**Flammability Classification:**

**None**

**Hazardous Combustion Products**

Carbon Dioxide and Carbon Monoxide.

**Extinguishing Media**

Not applicable.

**Fire Fighting Equipment/Instructions**

Firefighters should wear full protective clothing including self contained breathing apparatus,

**NFPA Ratings: Health=1 Fire=0 Reactivity=0**

Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

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**SECTION VI****ACCIDENTAL RELEASE MEASURES**

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**Clean Up Procedures**

Contain large spills with dikes and transfer material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and dispose of in accordance with applicable regulations. Flush with water. Surfactants are highly biodegradable.

**Evacuation Procedures**

None required.

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**SECTION VII****HANDLING AND STORAGE**

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**Handling Procedures**

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and prompt removal of material from eyes, skin and clothing.

**Storage Procedures**

Store away from strong acids, strong alkalis and strong oxidizers.

**Precautionary Measures**

Use with adequate ventilation. Avoid breathing high concentrations of vapors. Do not get in eyes, on skin or clothing. Wash thoroughly after using.

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**SECTION VIII****EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Exposure Guidelines****General Product Information**

Consider the potential hazards of this material, applicable exposure limits, job activities and work place conditions when designing engineering controls and selecting personal protective equipment.

**Engineering Controls**

Provide local exhaust ventilation if strong vapors occur.

**Personal Protective Equipment – Eyes & Face**

Safety glasses with side shields or goggles.

**Personal Protective Equipment – Skin**

Use impervious gloves made of rubber, PVC or neoprene to avoid contact with skin.

**Personal Protective Equipment – Respiratory**

None required under normal use conditions. If high concentrations or mists develop then use a NIOSH approved vapor respirator. Consult the manufacturer to determine the appropriate type. Consult NFPA Standard 91 for design of exhaust system.

**Personal Protective Equipment – General**

Eye wash fountain and emergency showers are recommended.

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**SECTION IX PHYSICAL & CHEMICAL PROPERTIES**

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|                                     |                                     |                          |              |
|-------------------------------------|-------------------------------------|--------------------------|--------------|
| <b>Appearance:</b>                  | Yellow liquid with medium viscosity | <b>Odor:</b>             | Citrus notes |
| <b>Physical State:</b>              | Liquid                              | <b>pH:</b>               | 10.5         |
| <b>Vapor Pressure:</b>              | Same as water                       | <b>Vapor Density:</b>    | > 1          |
| <b>Boiling Point:</b>               | 212° F                              |                          |              |
| <b>Solubility (H<sub>2</sub>O):</b> | Completely soluble                  | <b>Specific Gravity:</b> | 1.06         |
| <b>Evaporation Rate:</b>            | < 1.0 (Water = 1)                   |                          |              |

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**SECTION X CHEMICAL STABILITY & REACTIVITY INFORMATION**

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**Chemical Stability**

Product is stabile.

**Chemical Stability / Conditions to Avoid**

None

**Incompatibility**

Strong acids, strong alkalis and strong oxidizing agents.

**Hazardous Decomposition**

None

**Hazardous Polymerization**

None

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**SECTION XI TOXICOLOGICAL INFORMATION**

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**General Product Information**

Strong exposure may cause skin, eye or respiratory irritation.

**Carcinogenicity**

Nitrotriacetic Acid – IARC -2B  
NTP – 2

No other components have been identified as carcinogen by NTP, IARC or OSHA.

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**SECTION XII ECOLOGICAL INFORMATION**

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**Ecotoxicity****General Product Information**

Surfactants are highly biodegradable.

**Component Analysis – Ecotoxicity & Aquatic Toxicity**

No information available

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**SECTION XIII DISPOSAL CONSIDERATIONS**

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**US EPA Waste Number & Descriptions****General Product Information**

Product is non-hazardous waste material suitable for approved solid waste landfills.

**Disposal Instructions**

Dispose of in accordance with Local, State and Federal regulations.

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**SECTION XIV TRANSPORTATION INFORMATION**

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**International Transportation Regulations**

Consult 49CFR or appropriate regulations to properly classify your shipment for transportation.

|                       |  |
|-----------------------|--|
| Proper Shipping Name: | Non-hazardous cleaning compound, liquid, non-regulated by 49CFR. |
| Reportable Quantity:  | None   |
| Hazard Class & Label: | None   |
| UN Number:            | None   |
| NA Number:            | None   |
| ERG:                  | None   |

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**SECTION XV****REGULATORY INFORMATION**

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**U.S. Federal Regulations****General Product Information**

The product is not Federally regulated as a hazardous material.

**Comprehensive Environmental Response, Compensation & Liability Act of 1980 (CERCLA):**

The following components of this product are specifically listed as hazardous substances in 40CFR 302.4 and are present at levels which could require reporting:

| <b>Component</b>        | <b>CAS #</b> |
|-------------------------|--------------|
| Nitilotriacetic Acid    | 139-13-9     |
| Sodium Metasilicate     | 6834-92-0    |
| Monoethanolamine        | 141-43-5     |
| Ethylene Glycol         | 111-76-2     |
| Nonylphenol Ethoxylate  | 684-39-463   |
| Sodium Xylene Sulfonate | 1300-72-7    |

**Superfund Amendments and Reauthorization Act of 1986 (SARA):**

Title II Sections 302 & 304 – Extremely Hazardous Substances:

| <u>Component</u> | <u>CAS#</u> |
|------------------|-------------|
| NONE             |             |

Title III Section 313 Reportable Chemical

| <u>Component</u>     | <u>CAS#</u> |
|----------------------|-------------|
| Nitilotriacetic Acid | 139-13-9    |

Title III Section 311 and 312

|                                    | <u>Nitilotriacetic Acid</u> | <u>Sodium Metasilicate</u> |
|------------------------------------|-----------------------------|----------------------------|
| Delayed hazard:                    | No                          | No                         |
| Fire hazard:                       | No                          | No                         |
| Immediate health hazard:           | Yes                         | Yes                        |
| Reactive hazard:                   | No                          | No                         |
| Sudden release of pressure hazard: | No                          | No                         |

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**SECTION XVI****OTHER INFORMATION**

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**Hazard Ratings:****HMIS**

Health 1  
Flammability 0  
Reactivity 0  
PPE B

**NFPA**

Health 1  
Flammability 0  
Reactivity 0  
Other B

**Other Information**

The information presented in this document is presented in good faith and is believed to be accurate as to the effective date given. However, no warranty, expressed or implied is given. It is the buy's responsibility to ensure that its activities comply with Federal, State or provincial and local laws.