

## SAFETY DATA SHEET



Date Prepared : 08/22/2014  
SDS No : Metkleen 2090

**1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT FORMULATION NAME:** Metkleen 2090  
**CHEMICAL FAMILY:** Cleaner

**MANUFACTURER**

Metalloid Corporation  
1160 White St  
Sturgis, MI 49091

**Emergency Contact:** Robert Kowalski

**Emergency Phone:** 800-686-3201

**E-Mail:** b.kowalski@metalloidcorp.com

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**Poison Control Center (Medical) :** (877) 800-5553

**CHEMTREC (US Transportation) :** (800) 424-9300

**2. HAZARDS IDENTIFICATION****GHS CLASSIFICATIONS****Health:**

Skin Corrosion, Category 1B

Eye Irritation, Category 2

**GHS LABEL**

Exclamation mark  
Corrosion

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS**

H320: Causes eye irritation.

H315: Causes skin irritation.

**PRECAUTIONARY STATEMENTS****Prevention:**

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P270: Do not eat, drink or smoke when using this product.

**Response:**

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

**Disposal:**

P501: Dispose of contents/container in accordance with local/state/federal laws.

**EMERGENCY OVERVIEW**

**IMMEDIATE CONCERNS:** Not expected to cause severe emergency hazard

**POTENTIAL HEALTH EFFECTS**

**EYES:** Contact causes severe eye irritation.

**SKIN:** Repeated or prolonged contact may cause skin irritation or dermatitis

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**INGESTION:** May cause nausea, vomiting and abdominal pain

**INHALATION:** Dust may be slightly irritating to eyes and respiratory tracts.

**MEDICAL CONDITIONS AGGRAVATED:** May aggravate skin irritation/dermatitis

**ROUTES OF ENTRY:** Eyes, Skin

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name          | Wt. %        | CAS       |
|------------------------|--------------|-----------|
| Phosphoric Acid        | < 2          | 7664-38-2 |
| Sodium Xylenesulfonate | 2.72 - 2.856 | 1300-72-7 |

### 4. FIRST AID MEASURES

**EYES:** Flush immediately with cool, clean water for at least 15 minutes. If irritation persists, contact a physician

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** If large quantities are ingested, contact a physician

**INHALATION:** Move person to fresh air; if effects occur, consult a physician.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical, foam

**HAZARDOUS COMBUSTION PRODUCTS:** Can include carbon oxides

**FIRE FIGHTING PROCEDURES:** Use water spray to cool containers exposed to flames. Fire fighting personnel should wear respiratory protection.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb with an inert material and place in an appropriate waste disposal container.

**LARGE SPILL:** Stop spill at the source. Pump liquid to salvage container. Recover product if possible. Remaining liquid can be taken up with absorbent material and placed into appropriate containers.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep container closed when not in use

**HANDLING:** Avoid contact with eyes. Avoid prolonged or repeated skin contact with the concentrate. Wash thoroughly after handling. Do not swallow. Do not transfer to an unlabeled container.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES

#### OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)

| Chemical Name   |      | EXPOSURE LIMITS |                   |           |                   |              |                   |
|-----------------|------|-----------------|-------------------|-----------|-------------------|--------------|-------------------|
|                 |      | OSHA PEL        |                   | ACGIH TLV |                   | Supplier OEL |                   |
|                 |      | ppm             | mg/m <sup>3</sup> | ppm       | mg/m <sup>3</sup> | ppm          | mg/m <sup>3</sup> |
| Phosphoric Acid | TWA  |                 | 1                 |           | 1                 | NL           | NL                |
|                 | STEL |                 |                   |           | 3                 | NL           | NL                |

**ENGINEERING CONTROLS:** General room ventilation should be sufficient. If mists are present, provide adequate ventilation to control level below PEL.

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Safety glasses or splash goggles when eye contact may occur.

**SKIN:** Oil resistant gloves recommended.

**RESPIRATORY:** Not normally needed. If significant mists, vapors or aerosols are generated an approved respirator is recommended.

**WORK HYGIENIC PRACTICES:** Use good hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating.

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**OTHER USE PRECAUTIONS:** If there is a likelihood of splashing, an oil resistant apron should be worn to prevent clothing contamination. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Keep an eyewash fountain available. Keep a safety shower available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| Chemical Name   | Flash Point (°C) | Boiling Point (°C) | Freezing Point (°C) | Specific Gravity |
|-----------------|------------------|--------------------|---------------------|------------------|
| Phosphoric Acid | 11               | 22                 | 33                  | 44               |

**ODOR:** Mild odor

**APPEARANCE:** Liquid

**COLOR:** Clear light amber

**BOILING POINT:** > (200°F)

**SOLUBILITY IN WATER:** Complete

**SPECIFIC GRAVITY:** 1.09 at (70°F)

## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** Will not occur

**STABILITY:** Stable under normal conditions

**CONDITIONS TO AVOID:** Not yet Known

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous reactions will not occur under normal transport or storage conditions.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Products of combustion can include carbon oxides.

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents. Strong acids. Strong bases.

## 11. TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

| Chemical Name   | General Toxicity |
|-----------------|------------------|
| Phosphoric Acid | None known.      |

**COMMENTS:** No specific toxicological data is available.

## 12. ECOLOGICAL INFORMATION

**COMMENTS:** No specific ecological data is available for this product.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of according to Local, State and Federal regulations. Not a RCRA hazardous waste if uncontaminated. If "used" RCRA criteria must be determined. Do not flush to drain/storm sewer.

**EMPTY CONTAINER:** Recondition or dispose of empty container in accordance with government regulations.

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**OTHER SHIPPING INFORMATION:** This product is not considered hazardous according to DOT

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**TITLE III NOTES:** This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

#### CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

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| Chemical Name   | Wt.% | CERCLA RQ |
|-----------------|------|-----------|
| Phosphoric Acid | < 2  | 5,000     |

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

| Chemical Name          | CAS       |
|------------------------|-----------|
| Phosphoric Acid        | 7664-38-2 |
| Sodium Xylenesulfonate | 1300-72-7 |

**TSCA REGULATORY:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

**16. OTHER INFORMATION**

**APPROVED BY:** Robert Kowalski    **TITLE:** Vice President of Research and Development

**PREPARED BY:** Alissa Simon    **Date Prepared:** 08/22/2014

**INFORMATION CONTACT:** 1-800-686-3201

**HMIS RATING**

|                            |                          |          |
|----------------------------|--------------------------|----------|
| <b>HEALTH</b>              | <input type="checkbox"/> | <b>1</b> |
| <b>FLAMMABILITY</b>        | <input type="checkbox"/> | <b>0</b> |
| <b>PHYSICAL HAZARD</b>     | <input type="checkbox"/> | <b>0</b> |
| <b>PERSONAL PROTECTION</b> | <input type="checkbox"/> | <b>C</b> |

**GENERAL STATEMENTS:** This information is for use of the purchaser only. This document should not be given to any outside organization without expressed consent from Metalloid Corporation.

**MANUFACTURER DISCLAIMER:** This product's safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.