SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT FORMULATION NAME: Metchem 6290
CHEMICAL FAMILY: Metalworking Fluid

MANUFACTURER
Metalloid Corporation
1160 White St
Sturgis, MI 49091
Emergency Contact: Robert Kowalski
Emergency Phone: 800-686-3201
E-Mail: b.kowalski@metalloidcorp.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS
Health:
- Skin Irritation, Category 1
- Eye Irritation, Category 2

GHS LABEL
Exclamation mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS
H317: May cause an allergic skin reaction.
H320: Causes eye irritation.

PRECAUTIONARY STATEMENTS
Prevention:
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash thoroughly after handling.

Response:
P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:
P404: Store in a closed container.

Disposal:
P501: Dispose of contents/container in accordance with Local/State/Federal regulations

POTENTIAL HEALTH EFFECTS
EYES: Contact may cause eye irritation.
SKIN: Repeated or prolonged contact may cause skin irritation or dermatitis
INGESTION: May cause nausea, vomiting and abdominal pain
**INHALATION:** Not a normal hazard but may cause irritation.

**MEDICAL CONDITIONS AGGRAVATED:** Preexisting disorders of the following organs maybe be aggrivated by exposure to this material: skin, lung, liver and kidney

**ROUTES OF ENTRY:** Eyes, Skin

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt%</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-amino-2-methyl-1-propanol</td>
<td>&gt; 1</td>
<td>124-68-5</td>
</tr>
<tr>
<td>1,1’-iminodipropan-2-ol</td>
<td>&lt; 3</td>
<td>110-97-4</td>
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**COMMENTS:** Components are non hazardous as defined by OSHA Hazard Communication Rule 29 CFR 1910.1200 and not listed due to trade secrets

### 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.

**NOTES TO PHYSICIAN:** Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

### 5. FIRE FIGHTING MEASURES

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

**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 away from flame, sparks and hot liquid. Keep container closed when not in use. Avoid contact with eyes. Avoid prolonged or repeated skin contact with the concentrate. Wash thoroughly after handling. Do not swallow. Do not transfer to unlabeled container.

**COMMENTS:** This product contains amines. Do not add nitrite or other nitrosating agents to this product due to potential for nitrosamine formation.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**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.

**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

ODOR: Mild odor
APPEARANCE: Liquid
COLOR: Clear light amber
PERCENT VOLATILE: <40% as water
BOILING POINT: > (200°F)
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: 1 water=1
SPECIFIC GRAVITY: 1.06 at (70°F)

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable under normal conditions
CONDITIONS TO AVOID: None 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.

11. TOXICOLOGICAL INFORMATION

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)
PROPER SHIPPING NAME: None
PRIMARY HAZARD CLASS/DIVISION: Not Hazardous
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)
CERCLA REGULATORY: This product does not contain any RQs or TPQs under this regulation.
TSCA (TOXIC SUBSTANCE CONTROL ACT)

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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: 08/11/2014
INFORMATION CONTACT: 1-800-686-3201

HMIS RATING

<table>
<thead>
<tr>
<th>CATEGORY</th>
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<tbody>
<tr>
<td>HEALTH</td>
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<tr>
<td>FLAMMABILITY</td>
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<tr>
<td>PHYSICAL HAZARD</td>
<td>0</td>
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<tr>
<td>PERSONAL PROTECTION</td>
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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.