



CONCRETE  
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# **G3 CUTTING FLUID**

## **SAFETY DATA SHEET**

# 1. PRODUCT IDENTIFICATION

**PRODUCT NAME** G3 Cutting Fluid  
**IDENTIFICATION NUMBER**  
**PRODUCT USE/CLASS** Suspension of amorphous silica in water in combination with nonhazardous trade secret.  
**CAS NUMBER** 7631-86-9  
**SUPPLIER** Wagman Metal Products, Inc.  
 400 S Albemarle St. York, PA 17403  
 24 Hours day / 7 Days week  
 717.854.2120  
 Phone: email@wagman.us  
 Email: 1-800-535-5053 (INFOTRAC)  
 Emergency Telephone:

# 2. HAZARD IDENTIFICATION

**CLASSIFICATION** Product is not classified as hazardous under GHS criteria or OSHA Hazard Communication Standard (29 CFR 1910.1200)  
**GHS LABEL ELEMENTS** None  
**SYMBOL(S)** None  
**SIGNAL WORD(S):** None  
**HAZARD STATEMENT(S):** None  
**PRECAUTIONARY STATEMENT(S)**  
 Prevention: P261 Avoid breathing dust/mists  
 P264 Wash hands thoroughly after handling  
 P280 Wear protective gloves/clothing/eye/face protection  
 Response: P330 Rinse mouth  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 P307+P311 IF exposed: Call a POISON CENTER or doctor/physician.  
 P314 Get medical advice/attention if you feel unwell.  
 Storage: P402+P404 Store in a dry place. Store in a closed container.  
 Disposal: P501 Dispose of contents/container according to all applicable Local/State/Federal regulations.  
**Other Hazards:** See Section 11 for health effects. See Section 12 for environmental effects.

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

| COMPONENT NAME             | CAS NUMBER   | CONCENTRATION (% BY WT) |
|----------------------------|--------------|-------------------------|
| Synthetic Amorphous Silica | 7631-86-9    | 5-20 %                  |
| Trade Secret               | Trade Secret | 1-10%                   |

## 4. FIRST AID MEASURES

### FIRST AID MEASURES

|             |  |
|-------------|--|
| Eye:        | Remove any contact lenses if easily done. Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.                |
| Skin:       | Wash with soap and water. Get medical attention if irritation develops or persists.  |
| Inhalation: | In case product dust is released: Possible discomfort via coughing and sneezing. Remove to fresh air.  |
| Oral:       | If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention. |

**MOST IMPORTANT SYMPTOMS/EFFECTS**      None known

**NOTES TO PHYSICIAN**      No hazards which require special first aid measures

## 5. FIRE FIGHTING MEASURES

|  |  |
|--|--|
| <b>FLAMMABILITY ASSESSMENT</b>                                       | Not flammable  |
| <b>UNSUITABLE EXTINGUISHING MEDIA</b>                                | None Known   |
| <b>SPECIFIC FIREFIGHTING MEASURES</b>                                | All extinguishing methods are suitable for any firefighting in area of product storage or use..  |
| <b>SPECIFIC HAZARDS DURING FIREFIGHTING</b>                          | None known   |
| <b>SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS</b> | As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear. |

## 6. ACCIDENTAL RELEASE MEASURES

|  |  |
|--|--|
| <b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES</b> | Wear personal protective equipment. See section 8  |
| <b>METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP</b>               | Collect using pump or absorbent. Place material into properly labeled sealed containers. After cleaning, rinse area with water. No special environmental precautions are required. Dispose of material in accordance with local regulations. |

## 7. HANDLING AND STORAGE

|                                      |  |
|--------------------------------------|--|
| <b>PRECAUTIONS FOR SAFE HANDLING</b> | Wear personal protective equipment. Avoid formation of respirable particles. Avoid inhalation of dust. Do not breathe dust or mist. Avoid direct contact with eyes, skin, or clothing. Wash hands before breaks and at the end of the day. |
| <b>CONDITIONS FOR SAFE STORAGE</b>   | Keep from Freezing. Keep container closed in a dry, cool place when not in use. Avoid dust formation. Provide appropriate exhaust ventilation where dust is formed.  |

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

| EXPOSURE LIMITS   |              |                       |                      |                     |                      |           |      |        |
|-------------------|--------------|-----------------------|----------------------|---------------------|----------------------|-----------|------|--------|
| COMPONENT         | CAS #        | OSHA PEL              |                      | ACGIH TLV           |                      | NIOSH REL |      | FORM   |
|                   |              | TWA                   | CEILING              | TWA                 | STEL                 | TLV-TWA   | SKIN |        |
| Silica, Amorphous | 7631-86-9    | 0.8 mg/m <sup>3</sup> | 20 mppcf             |                     |                      |           |      | Powder |
| Dust              | N/A          | 5 mg/m <sup>3</sup>   | 10 mg/m <sup>3</sup> | 3 mg/m <sup>3</sup> | 10 mg/m <sup>3</sup> |           |      | Dust   |
| Trade Secret      | Trade Secret |                       |                      |                     |                      |           |      | Powder |

### ENGINEERING CONTROLS

Local Ventilation:

Provide adequate exhaust ventilation to keep dust concentration below occupational exposure guidelines. (3mg/m<sup>3</sup>).

General Ventilation:

Recommended

### PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING AND SPILLS

Eyes:

Wear safety glasses with side shields (or goggles) and a face shield.

Skin:

The glove(s) listed below may provide protection against permeation.

Suitable Gloves:

rubber, leather, latex, nitrile

Inhalation/Suitable Respirator:

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. Niosh's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Precautionary Measures:

Wash hands before eating or smoking. Remove contaminated clothing and wash before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                       |
|---|-----------------------|
| FLASH POINT                             | NA                    |
| FLAMMABILITY LIMITS IN AIR              |                       |
| Lower Limit                             | NA                    |
| Upper Limit                             | NA                    |
| AUTO-IGNITION TEMPERATURE               | NA                    |
| DECOMPOSITION TEMPERATURE               | NA                    |
| FLAMMABILITY                            | Not Flammable         |
| APPEARANCE                              | Clear to white liquid |
| ODOR                                    | None                  |
| ODOR THRESHOLD                          | NA                    |
| PH (100.0 % @ 25°C)                     | 9.0-10.5              |
| MELTING/FREEZING POINT                  | 32 F / 0 C            |
| BOILING POINT                           | 212 F / 100 C         |
| EVAPORATION RATE                        | Equal to water        |
| VISCOSITY @ 25°C                        | < 100 cPs             |
| VOLATILE ORGANIC %                      | ND                    |
| VAPOR PRESSURE                          | NA                    |
| VAPOR DENSITY (AIR=)                    | ND                    |
| BULK DENSITY @ 25°C                     | NA                    |
| RELATIVE DENSITY @ 25°C                 | 1.0-1.5               |
| SOLUBILITY IN WATER                     | Miscible              |
| PARTITION COEFFICIENT (N-OCTANOL/WATER) | NA                    |

The Physical data presented here are representative values, as the actual product's values may vary slightly.

## 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| REACTIVITY                         | None expected                              |
| CHEMICAL STABILITY                 | Stable under normal storage/use conditions |
| POSSIBILITY OF HAZARDOUS REACTIONS | None known                                 |
| CONDITIONS TO AVOID                | None known                                 |
| INCOMPATIBLE MATERIALS             | None known                                 |
| HAZARDOUS DECOMPOSITION PRODUCTS   | None known                                 |

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

|   |   |
|---|---|
| Oral:   | LD50 Rat: >1000 mg/kg   |
| Dermal:   | LD50 Rat: >2000 mg/kg   |
| Inhalation:                                       | Information not available   |
| Skin corrosion/irritation:                        | Rabbit: Not irritating  |
| Serious eye damage/irritation:                    | Rabbit: Not irritating  |
| Respiratory sensitization:                        | Silicosis or other product specific illness or the respiratory tract has not been reported.                               |
| Skin sensitization:                               | Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash). |
| Specific Target Organ Toxicity (single exposure): | Information not available   |
| Aspiration hazard:                                | Information not available   |

### CHRONIC EFFECTS

|   |                |
|---|----------------|
| Germ cell mutagenicity:                             | Negative       |
| Carcinogenicity:                                    | Not expected   |
| Reproductive toxicity:                              | Not expected   |
| Specific Target Organ Toxicity (repeated exposure): | Not determined |

### LIKELY ROUTES OF EXPOSURE/SYMPTOMS:

|             |   |
|-------------|---|
| Eye:        | May cause eye irritation  |
| Skin:       | Prolonged or repeated contact can result in drying of the skin which may result in skin irritation and dermatitis (rash). |
| Inhalation: | Prolonged inhalation may cause irritations of the respiratory tract.  |
| Oral:       | No hazard expected in normal use.   |

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

|                      |   |
|----------------------|---|
| Toxicity to fish:    | LC50 (Brachrdanio reio): >10000 mg/l /96 hr. Method: OECD 203 |
| Toxicity to daphnia: | EC50 Daphnia magna: >10000 mg/l /24 hr. Method: OECD 2022     |

### PERSISTENCE AND DEGRADABILITY

Solids removed from water by sedimentation or binding to sludge.

### BIOACCUMULATIVE POTENTIAL

Solution is not expected to bio-accumulate.

### MOBILITY IN SOIL

Not expected

### OTHER ADVERSE EFFECTS

Increase in TSS. Materials can be removed by sedimentation or flocculation into sludge.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL CONSIDERATIONS**

Dispose as dry waste in accordance with all local, state and federal regulations.

**EMPTY CONTAINER WARNINGS**

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

## 14. TRANSPORT INFORMATION

**DOT ROAD SHIPMENT INFORMATION (49 CFR 172.101)**

Not regulated by DOT, IMDG, ICAO/IATA.

**AIR SHIPMENT (IATA)**

Not regulated by DOT, IMDG, ICAO/IATA.

**OCEAN SHIPMENT (IMDG)**

Not regulated by DOT, IMDG, ICAO/IATA.

**Transport in bulk:**

Not regulated by DOT, IMDG, ICAO/IATA.

## 15. REGULATORY INFORMATION

**INTERNATIONAL CHEMICAL INVENTORY STATUS**

**USA (TSCA)**

Components of this product are listed

**DSL**

Components of this product are listed

**EINICS**

Components of this product are listed

**AICS**

Components of this product are listed

**CANADIAN WHMIS**

This SDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

**CANADIAN WHMIS CLASS**

Not a WHMIS control material.

**EPA SARA TITLE III CHEMICAL LISTINGS**

| SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES |            |      |        |
|--|------------|------|--------|
| COMPONENT NAME                             | CAS NUMBER | WT % | HAZARD |
| None                                       |            |      |        |

| SECTION 304 CERCLA HAZARDOUS SUBSTANCES |            |      |                         |
|---|------------|------|-------------------------|
| COMPONENT NAME                          | CAS NUMBER | WT % | REPORTABLE QUANTITY (#) |
| None                                    |            |      |                         |

**SECTION 312 HAZARD CLASS**

Acute: No  
 Chronic: No  
 Fire: No  
 Pressure: No  
 Reactivity: No

| SECTION 313 TOXIC CHEMICALS   |            |      |
|---|------------|------|
| Only chemicals which exceed the reporting threshold are included below: |            |      |
| COMPONENT NAME  | CAS NUMBER | WT % |
| None  |            |      |

**OTHER REGULATORY CONCERNS**  
State right to know:

| COMPONENTS                             | CAS NUMBER  | CA PROP 65 | NJ  | PA  | MA |
|--|-------------|------------|-----|-----|----|
| Amorphous Silica                       | 7631-86-9   |            |     | Yes |    |
| Silica, Amorphous, Precipitate and Gel | 112929-00-8 |            | Yes |     |    |
| Product                                |             | No         |     |     |    |

## 16. OTHER INFORMATION

|                   |              |
|-------------------|--------------|
| REVISION DATE     | 30 June 2020 |
| REASON FOR CHANGE | Initial      |
| REVISED BY        | JL           |
| REVIEWED BY       | MJ           |
| APPROVAL DATE     | 30 June 2020 |
| VERSION           | 1.0          |

|       | HEALTH | FIRE | REACTIVITY | SPECIAL |
|-------|--------|------|------------|---------|
| HMIS: | 1      | 0    | 0          |         |

**NOTE** HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information in the SDS must be considered.

HMIS = Hazardous Material Information System  
\*Chronic effect

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