

# SAFETY DATA SHEET

## Gesswein Water Soluble Diamond Compound

<b>Section 1: Identification Of the Substance/Mixture And Of The Supplier</b>	
<u><b>Supplier</b></u> Paul H. Gesswein & Co., Inc. 201 Hancock Ave. Bridgeport, CT 06605  <b>Company Contact:</b> John Harsh <b>Telephone Number:</b> 203-366-5400 <b>E-Mail:</b> jharsh@gesswein.com <b>Web Site:</b> www.gesswein.com	
<u><b>Supplier Emergency Contacts &amp; Phone Number</b></u> <b>Chemtel:</b> 800-255-3924	
<b>Issue Date:</b> 06/19/2018  <b>Product Name:</b> Gesswein Water Soluble Diamond Compound <b>CAS Number:</b> Not Established  <u><b>Product/Material Uses</b></u> Metal working fluid.	

<b>Section 2: Hazards Identification</b>
<u><b>Hazard Classification(s)</b></u> <b>HAZARD CLASSIFICATION(S):</b> None  <b>SIGNAL WORD:</b> N/A  <b>HAZARD STATEMENTS:</b> None required  <b>PRECAUTIONARY STATEMENTS:</b> None required
<u><b>Primary Routes(s) Of Entry</b></u> skin, inhalation

<b>Section 3: Composition/Information On Ingredients</b>			
Ingredient Name	CAS Number		Percent Of Total Weight
diamond abrasive (synthetic)	7782-40-3)		1 - 10
polyalkylene glycol monobutyl ether	9038-95-3		60 - 70
PEG-75 Lanolin	61790-81-6		10 - 20
amorphous silica	7631-86-9		1 - 10
tripropylene glycol monomethyl ether	25498-49-1		1 - 10

<b>Section 4: First Aid Measures</b>
<u><b>Eye</b></u> In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Hold eyelids open during flushing. Get medical attention if irritation develops and persists.
<u><b>Skin</b></u> If on skin: Wash with plenty of soap and water. Get medical attention immediately if irritation (e.g., redness, rash)

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### Section 4: First Aid Measures - Continued

#### Skin - Continued

develops and persists.

#### Ingestion

If swallowed: Immediately call a Poison Center or doctor/physician. If victim is fully conscious, give one or two cups of water or milk to drink. If vomiting occurs naturally, have person rinse their mouth out with water. Never give anything by mouth to an unconscious person.

#### Inhalation

Remove person from source of exposure to fresh air. Get medical attention if irritation or other symptoms develop. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

### Section 5: Fire Fighting Measures

#### Fire And Explosion Hazards

When heated to decomposition this product may emit acrid smoke and irritating fumes.

#### Extinguishing Media

Use CO<sub>2</sub> (carbon dioxide), dry chemical, or foam.

#### Fire Fighting Instructions

Keep people away. Isolate fire and deny unnecessary entry. Move containers away from fire area if safe to do so. The use of self-contained breathing apparatus is recommended to limit exposure to smoke from any combustion products.

### Section 6: Accidental Release Measures

Avoid runoff to waterways and sewers. Provide adequate ventilation. Use appropriate personal protective equipment (PPE) for spill cleanup. For small spills, wipe up with absorbent material (e.g., paper towel, cloth). For large spills, contain and/or absorb spill with inert material (e.g. sand, vermiculite). Clean area thoroughly with detergent and water. Surfaces may be slippery.

### Section 7: Handling And Storage

#### Handling And Storage Precautions

Keep in a cool, dry, well-ventilated area. Store in original container. Do NOT allow to freeze.

Avoid contact with eyes and skin. Do not swallow. Wear suitable personal protective equipment. Wash hands and exposed areas after handling.

### Section 8: Exposure Controls/Personal Protection

#### Engineering Controls

Use with adequate general and local exhaust ventilation. Maintain exposures below occupational exposure limits.

#### Eye/Face Protection

Safety glasses are recommended as minimum industrial eye protection when handling bulk product or performing spill cleanup. Wear goggles where there is a possibility of splashing or spraying.

#### Skin Protection

Chemical resistant gloves are recommended to minimize skin contact.

#### Respiratory Protection

None normally required. In case of inadequate ventilation, use a NIOSH-approved respirator for dust/particulates. P or R-series particulate respirators should be used in the presence of oil mist. The level of respiratory protection needed should be based on the required protection factor after evaluating chemical exposures using appropriate industrial hygiene monitoring and/or OSHA guidance.

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### Section 8: Exposure Controls/Personal Protection - Continued

#### **Ingredient(s) - Exposure Limits**

amorphous silica  
OSHA PEL-TWA: 20 mppcf (or 80 mg/m3/%SiO2)  
NIOSH REL-TWA: 6 mg/m3 (10 hr)  
IDLH: 3000 mg/m3  
Cal OSHA PEL-TWA: 6 mg/m3, total dust  
Cal OSHA PEL-TWA: 3 mg/m3, respirable dust  
DOE TEEL-0: 6 mg/m3  
DOE TEEL-1: 18 mg/m3  
DOE TELL-2: 100 mg/m3

### Section 9: Physical And Chemical Properties

#### **Appearance**

Paste, Color is dependent on the grade.

#### **Odor**

Slight characteristic odor.

#### **Odor Threshold**

not available

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** not available °F

**Boiling Point:** not available °F

**Specific Gravity:** 1.05

**Packing Density:** not available

**Vapor Pressure:** not available

**Vapor Density:** not available

**pH:** not available

**Solubility:** miscible

**Viscosity:** 10,000 x 10<sup>-6</sup> m<sup>2</sup>/s @ 40 deg C

**Evaporation Rate:** not available

**Partition Coefficient (n-octanol/water):** not available

**Flash Point:** >100 C

**Flammability (solid, gas):** not available

**Lower Explosive Limit (LEL %):** not applicable

**Upper Explosive Limit (UEL %):** not applicable

**Autoignition Temperature:** not available

**Decomposition Temperature:** not available

### Section 10: Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

#### **Conditions To Avoid (Stability)**

Will not decompose if stored and used as recommended. Do not allow to freeze. Keep out of direct sunlight.  
Avoid heat, sparks and open flames.

#### **Incompatible Materials**

Strong oxidizing chemicals, strong acids, strong bases.

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### Section 10: Stability And Reactivity - Continued

#### **Hazardous Decomposition Products**

Thermal oxidation (i.e., "burning") may produce decomposition products of carbon - CO and CO<sub>2</sub>.

### Section 11: Toxicological Information

#### **Eye Effects**

Eye contact with vapors, mist or spray may cause eye irritation, but it is not expected to be a significant irritant. Abrasives may cause mechanical eye irritation.

#### **Skin Effects**

Prolonged contact with the skin may cause skin irritation, although it is not expected to be a significant skin irritant.

#### **Acute Oral Effects**

Do NOT ingest. Accidental ingestion may cause gastrointestinal upset, nausea, vomiting and diarrhea.

#### **Acute Inhalation Effects**

Inhalation of vapors, mist or spray may cause respiratory irritation although the product is not considered to be a significant irritant.

#### **Chronic/Carcinogenicity**

Neither the product overall nor any of its ingredients are known to be listed as potentially carcinogenic by NTP, IARC, OSHA or ACGIH.

#### **Reproductive Effects**

Product and its ingredients are not expected to pose any significant reproductive hazards from normal use.

#### **Mutagenicity (Genetic Effects)**

No information is available regarding the germ cell mutagenicity of this product or its ingredients.

#### **Ingredient(s) - Toxicological Data**

diamond abrasive (synthetic)  
LD50 (oral, mouse): 10 gm/kg  
amorphous silica  
LD50 (oral, rat): >22,500 mg/kg  
LD50 (oral, mouse): >15,000 mg/kg  
tripropylene glycol monomethyl ether  
LD50 (oral, rat): 12,300 uL/kg  
LD50 (dermal, rabbit): >20 mL/kg

### Section 12: Ecological Information

#### **Ecotoxicological Information**

Do not allow to enter sewers and waterways. The effect of low concentrations on aquatic life is unknown.

PBT/vPvB assessment is not available for the product.

### Section 13: Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Dispose of bulk amounts in an environmentally responsible manner. Empty containers can be sent for disposal or recycling.

#### **RCRA Information**

Product is not formulated to contain materials which are listed as hazardous wastes or as determined by Toxicity Characteristic Leachate Procedure (TCLP). Does not exhibit characteristics of ignitibility, corrosivity, or reactivity.

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### Section 14: Transport Information

#### Proper Shipping Name

Not regulated for transportation.

### Section 15: Regulatory Information

#### SARA Hazard Classes

Acute Health Hazard

#### SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

### Section 16: Other Information

#### NFPA Rating

Health: 0

Fire: 1

Reactivity: 0

#### Disclaimer

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

Paul H. Gesswein & Co., Inc.

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