

# SAFETY DATA SHEET

## Gesswein Oil Soluble

**Section 1: Identification Of the Substance/Mixture And Of The Supplier**

**Supplier**  
 Paul H. Gesswein & Co., Inc.  
 201 Hancock Ave.  
 Bridgeport, CT 06605

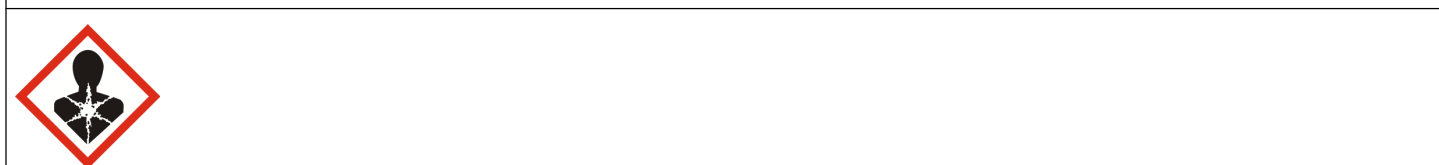
**Company Contact:** John Harsh  
**Telephone Number:** 203-366-5400  
**E-Mail:** jharsh@gesswein.com  
**Web Site:** www.gesswein.com

**Supplier Emergency Contacts & Phone Number**  
 Chemtel: 800-255-3924

**Issue Date:** 06/19/2018

**Product Name:** Gesswein Oil Soluble  
**CAS Number:** Not Established

**Product/Material Uses**  
 Metal working fluid.

**Section 2: Hazards Identification**


**Hazard Classification(s)**  
**HAZARD CLASSIFICATION(S):**  
 Aspiration Hazard - Category 1

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:**  
 May be fatal if swallowed and enters airways (H304)

**PRECAUTIONARY STATEMENTS:**  
 P301+P310 - IF SWALLOWED: Immediately call a Poison Center or physician.  
 P405 - Store locked up.  
 P501 - Dispose of contents/container in accordance with local, state, federal and international regulation.

**Primary Routes(s) Of Entry**  
 skin, inhalation

**Section 3: Composition/Information On Ingredients**

Ingredient Name	CAS Number	Percent Of Total Weight
diamond abrasive (synthetic)	7782-40-3)	10 - 20
mineral oil	8042-47-5	20 - 30
paraffin waxes	8002-74-2	50 - 60
amorphous silica	7631-86-9	1 - 10

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### Section 3: Composition/Information On Ingredients - Continued

Ingredient Name	CAS Number	Percent Of Total Weight
vegetable oil, mixed	8001-25-0	1 - 10

### Section 4: First Aid Measures

#### Eye

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.

#### Skin

If on skin: Wash with plenty of soap and water. Get medical attention immediately if irritation (e.g., redness, rash) 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. May burn at elevated temperatures.

#### Extinguishing Media

Use CO2 (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.

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

#### 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

Protective gloves are recommended to minimize skin contact. Nitrile or PVC chemical resistant gloves are recommended.

#### 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.

#### Ingredient(s) - Exposure Limits

mineral oil

ACGIH TLV-TWA: 5 mg/m<sup>3</sup> (as Mineral Oil)

ACGIH TLV-STEL: 10 mg/m<sup>3</sup>

OSHA PEL-TWA: 5 mg/m<sup>3</sup> (as Oil mist, mineral)

paraffin waxes

ACGIH TLV-TWA: 2 mg/m<sup>3</sup>

amorphous silica

OSHA PEL-TWA: 20 mppcf (or 80 mg/m<sup>3</sup>/%SiO<sub>2</sub>)

NIOSH REL-TWA: 6 mg/m<sup>3</sup> (10 hr)

IDLH: 3000 mg/m<sup>3</sup>

Cal OSHA PEL-TWA: 6 mg/m<sup>3</sup>, total dust

Cal OSHA PEL-TWA: 3 mg/m<sup>3</sup>, respirable dust

DOE TEEL-0: 6 mg/m<sup>3</sup>

DOE TEEL-1: 18 mg/m<sup>3</sup>

DOE TELL-2: 100 mg/m<sup>3</sup>

vegetable oil, mixed

OSHA PEL-TWA 15 mg/m<sup>3</sup>, as total oil mist

OSHA PEL-TWA 5 mg/m<sup>3</sup>, as respirable oil mist

NIOSH REL-TWA 15 mg/m<sup>3</sup>, as total oil mist

NIOSH REL-TWA 5 mg/m<sup>3</sup>, as respirable oil mist

### Section 9: Physical And Chemical Properties

#### Appearance

Paste, Color is dependent on the grade.

#### Odor

Characteristic "lubricating oil" odor.

#### Odor Threshold

not available

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** not available °F

**Boiling Point:** not available °F

**Specific Gravity:** 0.9

**Packing Density:** not available

**Vapor Pressure:** not available

**Vapor Density:** not available

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## Gesswein Oil Soluble

### Section 9: Physical And Chemical Properties - Continued

**pH:** not available  
**Solubility:** insoluble  
**Viscosity:** not available  
**Evaporation Rate:** not available  
**Partition Coefficient (n-octanol/water):** not available  
**Flash Point:** not available  
**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.  
**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. Prolonged or repeated contact with skin may cause drying and cracking of skin.  
**Acute Oral Effects**  
Do NOT ingest. Accidental ingestion may cause gastrointestinal upset, nausea, vomiting and diarrhea. Ingestion may result in aspiration of petroleum hydrocarbons into the lungs, which may be fatal.  
**Acute Inhalation Effects**  
Inhalation of vapors, mist or spray may cause respiratory irritation although the product is not considered to be a significant irritant. Lipid pneumonia has been reported from heavy exposure to oil mist in the absence of adequate ventilation.  
**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.

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## Gesswein Oil Soluble

### Section 11: Toxicological Information - Continued

#### Ingredient(s) - Toxicological Data

diamond abrasive (synthetic)  
LD50 (oral, mouse): 10 gm/kg  
mineral oil  
LD50 (oral, mouse): 22 gm/kg  
LD50 (oral, rat): >5000 mg/kg  
paraffin waxes  
LD50 (dermal, rabbit): >4000 mg/kg  
amorphous silica  
LD50 (oral, rat): >22,500 mg/kg  
LD50 (oral, mouse): >15,000 mg/kg  
vegetable oil, mixed  
LD50 (oral, rat): >100 mL/kg  
LD50 (oral, mouse): >50 gm/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 ignitability, corrosivity, or reactivity.

### Section 14: Transport Information

#### Proper Shipping Name

Not regulated for transportation.

### Section 15: Regulatory Information

#### U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

#### 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.

#### Ingredient(s) - State Regulations

mineral oil  
New Jersey - Workplace Hazard  
Pennsylvania - Workplace Hazard  
Pennsylvania - Special Hazard  
Massachusetts - Hazardous Substance  
paraffin waxes

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## Gesswein Oil Soluble

### Section 15: Regulatory Information - Continued

#### Ingredient(s) - State Regulations - Continued

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

#### Ingredient(s) - Canadian Regulatory Information

mineral oil

WHMIS - Ingredient Disclosure List

### Section 16: Other Information

#### NFPA Rating

Health: 0

Fire: 1

Reactivity: 0

#### Disclaimer

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Paul H. Gesswein & Co., Inc.

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