


SAFETY DATA SHEET

Gesswein Puma Diamond Compound

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

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| Section 2: Hazards Identification | |
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| <p>Hazard Classification(s) HAZARD CLASSIFICATION(S): Aspiration Hazard - Category 1</p> <p>SIGNAL WORD: DANGER</p> <p>HAZARD STATEMENTS: May be fatal if swallowed and enters airways (H304)</p> <p>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.</p> | |
| <p>Primary Routes(s) Of Entry skin, inhalation</p> | |

| Section 3: Composition/Information On Ingredients | | | |
|--|------------|--|-------------------------|
| Ingredient Name | CAS Number | | Percent Of Total Weight |
| diamond abrasive (synthetic) | 7782-40-3) | | 1 - 10 |
| paraffin waxes | 8002-74-2 | | 50 - 60 |
| amorphous silica | 7631-86-9 | | 1 - 10 |
| Paraffin oil, heavy | 8042-47-5 | | 20 - 30 |

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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

paraffin waxes

ACGIH TLV-TWA: 2 mg/m³

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

vegetable oil, mixed

OSHA PEL-TWA 15 mg/m³, as total oil mist

OSHA PEL-TWA 5 mg/m³, as respirable oil mist

NIOSH REL-TWA 15 mg/m³, as total oil mist

NIOSH REL-TWA 5 mg/m³, as respirable oil mist

Section 9: Physical And Chemical Properties

Appearance

Paste, Color is dependent on the grade.

Odor

Slight 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: ~1

Packing Density: not available

Vapor Pressure: not available

Vapor Density: not available

pH: not available

Solubility: insoluble

Viscosity: not available

Evaporation Rate: not available

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Section 9: Physical And Chemical Properties - Continued

Partition Coefficient (n-octanol/water): not available
Flash Point: >200 deg F
Flammability (solid, gas): not available
Lower Explosive Limit (LEL %): not applicable
Upper Explosive Limit (UEL %): not applicable
Autoignition Temperature: >200 deg F
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 CO₂.

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.

Ingredient(s) - Toxicological Data

diamond abrasive (synthetic)
LD50 (oral, mouse): 10 gm/kg
paraffin waxes
LD50 (dermal, rabbit): >4000 mg/kg
amorphous silica

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Section 11: Toxicological Information - Continued

Ingredient(s) - Toxicological Data - Continued

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 ignitibility, 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

paraffin waxes
Pennsylvania - Workplace Hazard
Massachusetts - Hazardous Substance

Section 16: Other Information

NFPA Rating

Health: 0
Fire: 1
Reactivity: 0

Revision/Preparer Information

This SDS Supersedes A Previous (M)SDS Dated: 06/19/2018

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Disclaimer

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Paul H. Gesswein & Co., Inc.

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