

SAFETY DATA SHEET

Gesswein Supra Diamond Compound

Section 1: Identification Of the Substance/Mixture And O
Supplier

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Supplier Emergency Contacts & Phone Number

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Issue Date: 06/20/2018

Product Name: Gesswein Supra Diamond Compound
CAS Number: Not Established

Product/Material Uses

Metal working fluid.

Section 2: Hazards Identification

Hazard Classification(s)
HAZARD CLASSIFICATION(S):

Eye Damage/Irritation, Category 2A

SIGNAL WORD: Warning

HAZARD STATEMENTS:

Causes serious eye irritation (H319)

PRECAUTIONARY STATEMENTS:

P264 - Wash thoroughly after handling.

P280 - Wear eye protection/face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

P337+P313 - If eye irritation persists: Get medical attention/advice.

Primary Routes(s) Of Entry

skin, inhalation

Section 3: Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
Cetareth-10	68439-49-6	1 - 10
diamond abrasive (synthetic)	7782-40-3)	1 - 10

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Section 3: Composition/Information On Ingredients - Continued

Ingredient Name	CAS Number	Percent Of Total Weight
glycerol monostearate	31566-31-1	1 - 10
glyceryl tricaprylate	73398-61-5	40 - 50
PEG-3 hydrogenated castor oil	Not Establis	20 - 30
PEG-75 Lanolin	61790-81-6	1 - 10
self-emulsifying wax	68476-04-0	1 - 10
amorphous silica	7631-86-9	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. Do NOT induce vomiting. 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 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 dilution 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.

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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.

Ingredient(s) - Exposure Limits

glycerol monostearate

ACGIH TLV-TWA: 10 mg/m³ (inhalable fraction, as Stearate)

ACGIH TLV-TWA: 3 mg/m³ (respirable fraction, as Stearate)

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: >104 °F >40 °C

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: slightly miscible in water

Viscosity: 5,000 x 10⁻⁶ m²/s @ 40 deg C

Evaporation Rate: not available

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

Flash Point: not available

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Section 9: Physical And Chemical Properties - Continued

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 CO₂.

Section 11: Toxicological Information

Eye Effects

Eye contact with vapors, mist or spray may cause serious eye irritation. 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

Ceteareth-10

LD50 (oral, rat): 1260 mg/kg

diamond abrasive (synthetic)

LD50 (oral, mouse): 10 gm/kg

glyceryl tricaprylate

LD50 (oral, rat): >5000 mg/kg

amorphous silica

LD50 (oral, rat): >22,500 mg/kg

LD50 (oral, mouse): >15,000 mg/kg

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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.

100% of this mixture consists of unknown hazards to the aquatic environment.

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

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: 1

Fire: 0

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.