

Revision Date 05/14/18

1: Identification of the substance/mixture and of the company / undertaking
1.1: Product identifier

Substance Name	Burnishing Compound M
CAS No.	Mixture: See Section 3
Product Description	Oil Soluble – Color varies with micron size

1.2: Relevant identified uses of the substance or mixture and uses advised against

Identified Uses	Industrial Slurry/Lubricant
Uses advised against	None Known

1.3: Details of the supplier of the safety data sheet

Supplier	PH Gesswein & Company, Inc.
Address	201 Hancock Ave. Bridgeport, CT 06605
Phone	203-366-5400
Fax	203-366-3953
E-mail	info@gesswein.com


1.4 : Emergency telephone numbers

CHEMTELL	- 800-255-3924
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2: Hazards Identification
2.1: Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910.1200 HCS & EC 1272/2008:

Flammable Liquid – Category 3
 Aspiration Hazard – Category 1
 Skin Irritation – Category 2
 Eye Irritation – Category 2B

2.2: GHS Label elements

Hazard pictogram(s):	
Signal word:	Danger
Hazard Statement(s):	H226 – Flammable liquid and vapor H304 – May be fatal if swallowed and enters airways H315 – Causes mild skin irritation H320 – Causes eye irritation
Precautionary statement(s):	P202 - Do not handle until all safety precautions have been read and understood. P210 – Keep away from heat/spark/open flame/hot surfaces P264 – Wash hands thoroughly after handling. P280 – Wear appropriate personal protective equipment when handling product. Including face protection

(safety glasses w/side shields) and impervious gloves (nitrile).
P305+P351+P338 – If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P310 – If swallowed: Immediately call Poison Control or doctor/physician
P331 – Do not induce vomiting
P337+P313 – If eye irritation persists get medical attention/advice
P370+P378 – In case of fire: use sand, dry chemical or alcohol-resistant foam for extinction
P403+P235 – Store in a well-ventilated space; keep cool
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

3: Composition / information on ingredients

3.1: Mixture

Ingredient Name	Identifiers	%	Classifications
Distillates (Petroleum), Hydrotreated Light	CAS:64742-47-8 EC #:649-422-00-2	40-60	Aspiration Haz. –1
Naphtha (Petroleum), Hydrotreated heavy	CAS:64742-48-9 EC #: 649-327-00-6	10-30	Flammable Liq. – 3
Blend of Petroleum Hydrocarbons	CAS: 64742-46-7/64741-44-2 EC #: 265-148-2/265-044-7	10-30	Skin Irrit. – 2 Eye Irrit. – 2B
Diamond	CAS: 7782-40-3 EC #: 231-953-2	1-20	Eye Irrit. – 2B

- Any concentration shown as a range is to protect confidentiality or is due to process variation.
- There are no additional ingredients which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.
- Occupational exposure limits, if available, can be found in Section 8 of this document.

4: First aid measures

4.1: Description of first aid measures

Eyes	Immediately flush eyes with plenty of water lifting lower and upper eyelids occasionally, until abrasive material is removed. Get medical attention if irritation persists. After initial flushing, remove any contact lenses if worn.
Inhalation	Remove to fresh air. Seek medical attention if required.
Ingestion	No ingestion hazard is expected under normal industrial use. Seek immediate medical attention. Do not induce vomiting.
Skin	Remove contaminated clothing. Immediately wash with soap and water and rinse thoroughly. Seek medical attention if required.

4.2: Most important symptoms and effects, both acute and delayed

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5: Firefighting measures

5.1: Extinguishing media

Use water spray to cool surfaces exposed to fire to disperse vapors and to protect personnel attempting to stop any leakage. Extinguish the fire with foam, dry chemical or carbon dioxide.

5.2: Special hazards arising from the substance or mixture

Burning may produce smoke, carbon monoxide, carbon dioxide, and unburned hydrocarbons.

5.3: Advice for firefighters

Use a self-contained breathing apparatus and full protection gear. Dike and collect water used to fight fire if possible.

6: Accidental release measures**6.1: Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes. Use personal protective equipment as specified in Section 8 of this SDS. Sweep or gather up material and place in proper container for disposal or recovery.

6.2: Environmental precautions

Avoid release into the environment.

6.3: Methods and material for containment and cleaning up

Containment: If material is spilled or released, cordon off area. Persons not wearing appropriate protective equipment should be excluded from spill area until clean-up has been completed.

Clean-Up: Wear appropriate personal protective equipment as specified in Section 8. Collect spilled material and clean up any residue material by vacuuming or wet sweeping to reduce dust generation and place into an appropriate container suitable for proper disposal in accordance with local, regional, national, and/or international regulations.

6.4: Reference to other sections

See sections 8 – Exposure Controls/Personal Protection and Section 13 – Disposal Considerations

7: Handling and storage**7.1: Precautions for safe handling**

Use personal protective equipment specified within Section 8 of this document.

7.2: Conditions for safe storage, including any incompatibilities

Store in a tightly closed container in a secure and well-ventilated area. Store under dry and cool conditions and away from ignition sources and direct sunlight.

7.3: Specific end use(s)

Industrial slurry/lubricant

8: Exposure Controls / Personal Protection**8.1 : Control parameters**

Ingredient Name	OSHA PEL	ACGIH TLV
Distillates (Petroleum), Hydrotreated Light	None Established	None Established
Naptha (Petroleum), Hydrotreated heavy	None Established	None Established
Blend of Petroleum Hydrocarbons	5 mg/m ³ (as oil mist)	5 mg/m ³ (as oil mist)
Diamond	5 mg/m ³ *; 15 mg/m ³ **	3 mg/m ³ *; 10 mg/m ³ **

* Respirable fraction; ** Total Particulate (Nuisance Dust)

8.2: Exposure controls**Appropriate engineering controls:**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls (wet grinding) to maintain airborne levels below identified exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures:

Eye/face protection	Safety glasses with side shields or safety goggles should be worn when working with this material.
Skin protection	Wear appropriate clothing or PPE to prevent repeated or prolonged contact with exposed shin.
Hand protection	Wear protective gloves: nitrile, neoprene, butyl, polyethylene, or PVC. Always consult with your glove manufacturer or supplier for specific recommendations.
Body protection	Avoid skin contact with material.
Respiratory protection	If ventilation is not sufficient to control exposures below the applicable exposure limits, an appropriate NIOSH approved air-purifying respirator equipped with organic vapor cartridges with dust/mist pre-filter is recommended. Select and use in accordance with 29 CFR 1910.134 and good industrial hygiene practice.
Hygiene protection	Wash hands and forearms thoroughly after handling chemical

products, before eating, smoking, and after using the lavatory and at the end of the working period. Appropriate techniques should be to remove potentially contaminated clothing. Dispose of contaminated clothing or wash before reuse.

9: Physical and chemical properties

9.1: Information on basic physical and chemical properties

Appearance	Opaque liquid of varying colors due to diamond size
Odor	Mild odor
pH	Not applicable
Melting point/freezing point	Not applicable
Initial boiling point/boiling range	≥ 212°F
Flash point	>120°F (will not sustain combustion)
Evaporation rate	Not applicable
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	Not applicable given
Relative density	1 { <i>Ref Std: WATER=1</i> }
Solubility in water	Insoluble - dispersible
Partition coefficient (n-octanol/water)	No data available
Decomposition temperature	No data available
Viscosity	No data available

9.2: Other information

No additional physical and chemical parameters noted

10: Stability and reactivity

10.1: Reactivity

Not reactive under recommended or normal conditions of handling, storage, processing, and use.

10.2: Chemical stability

Stable under normal use conditions and storage

10.3: Possibility of hazardous reactions

Not reactive at normal temperatures and pressures

10.4: Conditions to avoid

Heat, sparks, flames, and other ignition sources

10.5: Incompatible materials

Strong oxidizers

10.6: Hazardous decomposition products

None with proper storage and handling

11: Toxicological information

Toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, and ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1: Information on toxicological effects

Acute oral toxicity	No Data Available
Acute inhalation toxicity	No Data Available
Acute dermal toxicity	No Data Available
Skin corrosion /irritation	Mechanical skin irritation. Signs/symptoms may include abrasion, redness, pain, and itching.

Eye damage/irritation	Mechanical eye irritation. Signs/symptoms may include pain, redness, tearing and corneal abrasion
Respiratory/skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	None of the components of these products is listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA
Reproductive toxicity	No Data Available
STOT single exposure	No Data Available
STOT repeated exposure	No Data Available
Aspiration hazard	May be fatal if swallowed and enters airways

12: Ecological information

12.1: Toxicity

No data available

12.2: Persistence and degradability

No data available on mixture

12.3: Bioaccumulative potential

No data available

12.4: Mobility in soil

No data available

12.5: Other adverse effects

No data available

13: Disposal considerations

13.1: Waste treatment methods

FACILITY LEVEL ENVIRONMENTAL EMISSIONS/MITIGATION

Waste Management Controls

Dispose in accordance with local/regional/national/international regulations. Two options are recommended:

1. Re-use
2. Recycling or other recovery

Wastewater containing this material should be handled per local regulatory requirements.

14: Transport information

14.1: UN-No. (DOT/IATA/IMDG):	Not Applicable
14.2: UN proper shipping name:	Not Applicable
14.3: Transport hazard class(es):	Not Applicable
14.4: Packing group:	Not Applicable
14.5: Environmental hazard(s):	Not Applicable
14.6: Special precaution(s) for user:	Not Applicable
14.7: Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not Applicable

15: Regulatory information

15.1: Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA HAZARD COMMUNICATION STANDARD: This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA (311/312) REPORTABLE GHS HAZARD CLASSES:

Flammable Liquid – Category 3
Aspiration Hazard – Category 1
Skin Irritation – Category 2
Eye Irritation – Category 2B

SARA 313 Components: This material does not contain chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.

TSCA Status: this product is in compliance with all rules and orders of TSCA

Massachusetts Right To Know Components: None listed

Pennsylvania Right To Know Components: None listed.

New Jersey Right To Know Components: None listed

California Prop. 65 Components: None listed.

15.2: Chemical safety assessment

Not Applicable

16: Other information

History:

Date of issue/Date of revision: 05/14/18
Date of previous issue: 05/19/15
Version: 1.2

Text of Hazard Statement in Section 3:

Flammable liquids 3 – H226 - Flammable liquid and vapor
Aspiration Hazard 1 – H304 - May be fatal if swallowed and enters airways
Eye Irritation 2B – H320 – Causes eye irritation
Skin Irritation 2 – H315 – Causes mild skin irritation

This SDS provides information consistent with recommended applications of these products and anticipated activities involving the product. It is the user’s responsibility to identify and protect against health and safety hazards presented by modification of this material and products after manufacture. Individuals handling this material should be informed of all relevant hazards and recommended safety precautions, and should have access to the information contained in this SDS.

End of Safety Data Sheet