

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>GARNET LAPPING COMPOUND, 600 GRIT</b>	
<b>Other means of identification</b>		
<b>Product code</b>	083-047-005	
<b>Recommended use</b>	Paste for the cutting, smoothing and finishing of metal surfaces, and for the precision mating of metal parts.	
<b>Recommended restrictions</b>	Not available.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
<b>Company name</b>	BROWNELLS, INC.	
<b>Address</b>	200 South Front Street Montezuma, Iowa 50171 United States	
<b>Telephone</b>	(641) 623-5401	
<b>Website</b>	www.brownells.com	
<b>E-mail</b>	Not available.	
<b>Emergency phone number</b>	INFOTRAC	Registrant #79335
	24 hour Emergency Number,	Domestic: (800) 457-4280
	24 hour Emergency Number,	Foreign: +1(352) 323-3500

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not available.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
<b>Environmental hazards</b>	Not available.	
<b>OSHA defined hazards</b>	Not available.	
<b>Label elements</b>		



<b>Signal word</b>	Warning
<b>Hazard statement</b>	Causes skin irritation. Causes serious eye irritation.
<b>Precautionary statement</b>	
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not spray on an open flame or other ignition source. Observe good industrial hygiene practices. Do not breathe dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Do not get in eyes, on skin, or on clothing. Wear eye protection/face protection. Wear protective gloves. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.
<b>Response</b>	Take off contaminated clothing and wash before reuse. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. 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 advice/attention. If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing. If ingested: Do not induce vomiting. Drink plenty of water. Never give anything by mouth to a victim who is unconscious or is having convulsions. IF exposed or concerned: Get medical advice/attention. Specific treatment (see this label).
<b>Storage</b>	Store in a well-ventilated place. Store in a closed container away from incompatible materials. Store locked up. Keep out of reach of children.

**Disposal**

Dispose of in accordance with current, applicable local, state, and federal regulations.

**Hazard(s) not otherwise classified (HNOC)**

Not available.

**Hazard(s) not otherwise classified (HNOC)**

Not available.

**Supplemental information**

Not available.

**3. Composition/information on ingredients****Mixtures**

Chemical name	Common name and synonyms	CAS number	%
ALMANDINE AND PYROPE GARNET		1302-62-1	40 - < 70
PETROLATUM		8009-03-8	15 - < 40
STEARIC ACID		57-11-4	5 - < 10
HEXYLENE GLYCOL		107-41-5	3 - < 7
Other components below reportable levels			5 - < 10

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

**4. First-aid measures****Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Skin contact**

Take off immediately all contaminated clothing. Immediately wash off with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

**Eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**

Do not induce vomiting. Drink plenty of water. Never give anything by mouth to a victim who is unconscious or is having convulsions. Get medical attention if irritation develops.

**Most important symptoms/effects, acute and delayed**

Serious irritation to the eyes. Eye contact with liquid may cause pain and moderate irritation. Skin irritation. Skin contact may cause sensitization. Flaking and drying of skin may result from repeated contact. Dermatitis. May cause irritation to the upper respiratory tract. Dizziness. Central nervous system depression. May have irritation laxative effect if swallowed.

**Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**General information**

IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet (SDS) to the doctor in attendance.

**5. Fire-fighting measures****Suitable extinguishing media**

This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.

**Unsuitable extinguishing media**

Avoid extinguishing media unsuitable for surrounding materials.

**Specific hazards arising from the chemical**

During fire, gases hazardous to health may be formed. Closed containers exposed to heat from fire may build pressure and explode.

**Special protective equipment and precautions for firefighters**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and NIOSH approved self-contained breathing apparatus (SCBA).

**Fire fighting equipment/instructions**

Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool.

**Specific methods**

Use standard firefighting procedures and consider the hazards of other involved materials.

**Hazardous combustion products**

Oxides of carbon, vapors, and smoke.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep people away from and upwind of spill/leak. Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

### Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain released content with oil/solvent absorbent, booms, or absorbent pads. Prevent entry into waterways, sewer, basements or confined areas.

Clean up in accordance with all applicable regulations.

Large Spills: Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Absorb in vermiculite, dry sand or earth and place into containers.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground. Do not contaminate water.

## 7. Handling and storage

### Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Observe good industrial hygiene practices. Do not breathe dust/fume/gas/mist/vapors/spray. Provide adequate ventilation. Avoid contact with eyes, skin, and clothing. Use personal protective equipment as required. See Section 8 of the SDS for Personal Protective Equipment. When using, do not eat, drink or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment.

### Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Store in a closed container away from incompatible materials. See Section 10 of the SDS for incompatible materials. Store locked up. Use care in handling/storage. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
PETROLATUM (CAS 8009-03-8)	PEL	5 mg/m <sup>3</sup>	Mist.

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
HEXYLENE GLYCOL (CAS 107-41-5)	Ceiling	25 ppm	
PETROLATUM (CAS 8009-03-8)	TWA	5 mg/m <sup>3</sup>	Inhalable fraction.
STEARIC ACID (CAS 57-11-4)	TWA	10 mg/m <sup>3</sup>	

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
HEXYLENE GLYCOL (CAS 107-41-5)	Ceiling	125 mg/m <sup>3</sup>	
PETROLATUM (CAS 8009-03-8)		25 ppm	
	STEL	10 mg/m <sup>3</sup>	Mist.
	TWA	5 mg/m <sup>3</sup>	Mist.

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Adequate ventilation should be provided so that exposure limits are not exceeded. Provide eyewash station and safety shower.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

**Skin protection****Hand protection**

Wear appropriate chemical resistant gloves.

**Other**

Avoid contact with the skin. For brief contact, wear suitable protective clothing with long sleeves. Use clothing impervious to ingredients listed in section 2 of the SDS, when prolonged or repeated contact could occur.

**Respiratory protection**

Under normal conditions, respirator is not normally required.

**Thermal hazards**

Not available.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using, do not eat, drink or smoke. Keep away from food and drink. Do not get this material in your eyes, on your skin, or on your clothing.

**9. Physical and chemical properties****Appearance****Physical state**

Liquid.

**Form**

Paste.

**Color**

Dark gray.

**Odor**

Petroleum

**Odor threshold**

Not available.

**pH**

Not available.

**Melting point/freezing point**

&gt; 122 °F (&gt; 50 °C)

**Initial boiling point and boiling range**

&gt; 662 °F (&gt; 350 °C)

**Flash point**

&gt; 385.0 °F (&gt; 196.1 °C)

**Evaporation rate**

Not available.

**Flammability (solid, gas)**

Not available.

**Upper/lower flammability or explosive limits****Flammability limit - lower (%)** Not available.**Flammability limit - upper (%)** Not available.**Explosive limit - lower (%)** Not available.**Explosive limit - upper (%)** Not available.**Vapor pressure**

Not available.

**Vapor density**3.1 g/cm<sup>3</sup> Maximum.**Relative density**1.545 g/cm<sup>3</sup>**Solubility(ies)****Solubility (water)** Not available.**Partition coefficient (n-octanol/water)**

Not available.

**Auto-ignition temperature**

743 °F (395 °C)

**Decomposition temperature**

Not available.

**Viscosity**

Not available.

**Other information****VOC (Weight %)** 4 %**10. Stability and reactivity****Reactivity**

Not available.

**Chemical stability**

This product is stable.

**Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions are not expected to occur.

**Conditions to avoid**

Heat, flames, sparks and red hot metal. Contact with incompatible materials.

**Incompatible materials** Alkalis. Perchloric and permonosulfuric acids. Potassium hydroxide. Strong acids. Strong oxidizing agents.

**Hazardous decomposition products** Oxides of carbon, vapors, and smoke.

## 11. Toxicological information

### Information on likely routes of exposure

**Inhalation** Do not breathe dust/fume/gas/mist/vapors/spray. Exposure to product at room temperature is minimal due to low volatility. Not anticipated to be hazardous through a single exposure. May cause irritation to the upper respiratory tract.

**Skin contact** Do not get this material in contact with skin. Causes skin irritation. May cause skin sensitization. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Flaking and drying of skin may result from repeated contact. Hexylene glycol causes skin irritation

**Eye contact** Harmful in contact with eyes. Do not get this material in contact with eyes. May cause serious eye irritation. Eye contact with liquid may cause pain and moderate irritation. Hexylene glycol causes serious eye irritation.

**Ingestion** May have irritation laxative effect if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Serious irritation to the eyes. Eye contact with liquid may cause pain and moderate irritation. Skin irritation. Skin contact may cause sensitization. Flaking and drying of skin may result from repeated contact. Dermatitis. May cause irritation to the upper respiratory tract. Dizziness. Central nervous system depression. May have irritation laxative effect if swallowed.

### Information on toxicological effects

**Acute toxicity** Causes serious eye irritation. Eye contact with liquid may cause pain and moderate irritation. Causes irritation to the skin and upper respiratory tract. Skin sensitization. Dermatitis.

Components	Species	Test Results
HEXYLENE GLYCOL (CAS 107-41-5)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Mouse	3.5 g/kg
	Rat	4.79 g/kg
STEARIC ACID (CAS 57-11-4)		
<b>Acute</b>		
<i>Oral</i>		
LD50	Rat	4.6 g/kg

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Irritating to skin.

**Serious eye damage/eye irritation** Causes serious eye irritation.

### Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** May cause sensitization by skin contact.

**Germ cell mutagenicity** Not available.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**Reproductive toxicity** Not available.

**Specific target organ toxicity - single exposure** Not available.

**Specific target organ toxicity - repeated exposure** Not available.

**Aspiration hazard** Not available.

**Chronic effects** Prolonged inhalation may be harmful.

## 12. Ecological information

**Ecotoxicity** Not available.

<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Other adverse effects</b>	Not available.

### 13. Disposal considerations

<b>Disposal instructions</b>	Dispose of in accordance with current, applicable local, state, and federal regulations.
<b>Waste from residues / unused products</b>	Not available.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transport information

#### DOT

Not regulated as dangerous goods.

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

### 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
CERCLA/SARA Hazardous Substances - Not applicable.

All components are on the U.S. EPA TSCA Inventory List.

#### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

**SARA 311/312 Hazardous chemical** No

#### SARA 313 (TRI reporting)

Not regulated.

#### Other federal regulations

##### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

##### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

**US state regulations** California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. Massachusetts RTK - Substance List**

HEXYLENE GLYCOL (CAS 107-41-5)

PETROLATUM (CAS 8009-03-8)

**US. New Jersey Worker and Community Right-to-Know Act**

HEXYLENE GLYCOL (CAS 107-41-5)

**US. Pennsylvania Worker and Community Right-to-Know Law**

HEXYLENE GLYCOL (CAS 107-41-5)

PETROLATUM (CAS 8009-03-8)

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

**Issue date** 05-13-2013

**Revision date** 03-13-2015

**Version #** 02

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Revision Information**

This document has undergone significant changes and should be reviewed in its entirety.