

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name J-B (R) NON-EMBEDDING BORE CLEANING COMPOUND, 2 OZ.
Version # 01
Issue date 11-14-2014
CAS # Mixture
Product code 749-102-003
Manufacturer information BROWNELLS, INC.
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Montezuma, Iowa 50171
United States
www.brownells.com
(641) 623-5401
INFOTRAC Registrant #79335
24 hour Emergency Number, Domestic: (800) 457-4280
24 hour Emergency Number, Foreign: +1(352) 323-3500

2. Hazards Identification

Emergency overview Danger

May cause cancer. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and / or swelling upon prolonged or repeated skin contact or eye contact. Avoid release to the environment.

OSHA regulatory status

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

Routes of exposure

Skin contact. Eye contact. Inhalation.

Eyes

Do not get this material in contact with eyes. Generally non-irritating. Mild irritation or redness may occur through excessive contact. Eye contact may result in corneal injury.

Skin

Do not get this material in contact with skin. Generally non-irritating. Mild irritation or redness may occur through excessive contact.

Inhalation

Avoid breathing dust/fume/gas/mist/vapors/spray. Due to low volatility at room temperature, exposure to vapor is minimal. Product is not anticipated to be hazardous from a single exposure.

Ingestion

Do not ingest. May have irritation laxative effect if swallowed.

Target organs

Eyes. Skin.

Chronic effects

Mild irritation and redness may occur to the skin and eyes through excessive contact. May be harmful if absorbed through skin. Conjunctiva. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage.

Signs and symptoms

Generally non-irritating to the eye or skin. Mild irritation and redness may occur to the skin and eyes through excessive contact. Due to low volatility at room temperature, exposure to vapor is minimal. Product is not anticipated to be hazardous from a single exposure.

Potential environmental effects

May cause long-term adverse effects in the environment. Ecological injuries are not known or expected under normal use.

3. Composition / Information on Ingredients

Components	CAS #	Percent
PETROLATUM	8009-03-8	40 - 60
ALMANDINE AND PYROPE GARNET	1302-62-1	10 - 20
STEARIC ACID	57-11-4	10 - 20
DISTILLATES (PETROLEUM), STRAIGHT-RUN MIDDLE	64741-44-2	2.5 - 10
SOYBEAN OIL	8001-22-7	2.5 - 10

Components	CAS #	Percent
TRIETHANOLAMINE	102-71-6	2.5 - 10

4. First Aid Measures

First aid procedures

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

Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. Get medical attention if irritation develops and persists. For minor skin contact, avoid spreading material on unaffected skin.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Ingestion

Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Get medical attention if irritation develops. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to physician

Provide general supportive measures and treat symptomatically. Keep victim under observation. Keep victim warm. In case of shortness of breath, give oxygen. Symptoms may be delayed. Show this material safety data sheet (MSDS) to the doctor in attendance.

General advice

Get medical attention if irritation develops or persists. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep victim warm and under observation. In case of shortness of breath, give oxygen.

5. Fire Fighting Measures

Flammable properties

The product is not flammable.

Extinguishing media

Suitable extinguishing media

Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

Avoid extinguishing media unsuitable for surrounding materials.

Protection of firefighters

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. Containers can burst violently when heated, due to excess pressure build-up. Use water to cool containers exposed to fire and heat.

Specific methods

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

Hazardous combustion products

Oxides of carbon. Smoke or vapors.

6. Accidental Release Measures

Personal precautions

Keep people away from and upwind of spill/leak. Keep unnecessary personnel away. Ensure adequate ventilation. Avoid inhalation of dust and vapors. Wear appropriate protective equipment and clothing during clean-up. See Section 8 of the MSDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Keep out of waterways, drains, ditches, and sewers. Avoid release to the environment.

Methods for containment

Stop the flow of material, if this is without risk. Contain released content with oil/solvent absorbent, booms, or absorbent pads.

Methods for cleaning up

Clean up in accordance with all applicable regulations.

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

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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

7. Handling and Storage

Handling

Do not handle until all safety precautions have been read and understood. Handle and open container with care. Minimize dust generation and accumulation. Avoid breathing dust/fume/gas/mist/vapors/spray. Use this product with adequate ventilation. Do not get in eyes, on skin, or on clothing. Wear appropriate personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Avoid prolonged exposure. When using, do not eat, drink or smoke. Wash thoroughly after handling. Observe good industrial hygiene practices. Avoid release to the environment.

Storage

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

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values Components

Components	Type	Value	Form
PETROLATUM (CAS 8009-03-8)	TWA	5 mg/m ³	Inhalable fraction.
STEARIC ACID (CAS 57-11-4)	TWA	10 mg/m ³	
TRIETHANOLAMINE (CAS 102-71-6)	TWA	5 mg/m ³	

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

Components	Type	Value	Form
PETROLATUM (CAS 8009-03-8)	PEL	5 mg/m ³	Mist.
SOYBEAN OIL (CAS 8001-22-7)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.

Biological limit values

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

Engineering controls

Ensure adequate ventilation, especially in confined areas. Provide eyewash station.

Personal protective equipment

Eye / face protection

Do not get in eyes. Chemical goggles are recommended.

Skin protection

Wear suitable protective clothing.

Respiratory protection

No personal respiratory protective equipment normally required.

Hand protection

Wear protective gloves.

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. Do not get in eyes, on skin, on clothing.

9. Physical & Chemical Properties

Appearance

Physical state

Liquid.

Form

Paste.

Color

Tan.

Odor

Mild.

Odor threshold

Not available.

pH

Not available.

Vapor pressure	Not available.
Vapor density	9.800 g/cc Maximum
Boiling point	> 510 °F (> 265.56 °C)
Melting point/Freezing point	> 30 °F (> -1.11 °C)
Solubility (water)	Not available.
Specific gravity	Not available.
Relative density	1.030 g/cc
Flash point	> 275.0 °F (> 135.0 °C)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	> 662 °F (> 350 °C)
VOC	0.15 lb/gal

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Heat, flames, sparks and red hot metal. Contact with incompatible materials.
Incompatible materials	Alkalis. Alcohols. Strong oxidizing agents.
Hazardous decomposition products	Oxides of carbon.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.

11. Toxicological Information

Acute effects	Acute effects: Not available.
Local effects	Generally non-irritating to the eye or skin. Mild irritation and redness may occur to the skin and eyes through excessive contact. An irritation laxative effect may occur through ingestion.
Chronic effects	Mild irritation and redness may occur to the skin and eyes through excessive contact. May be harmful if absorbed through skin. Conjunctiva. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage.
Carcinogenicity	May cause cancer.

ACGIH Carcinogens

PETROLATUM (CAS 8009-03-8)	A2 Suspected human carcinogen.
STEARIC ACID (CAS 57-11-4)	A4 Not classifiable as a human carcinogen.
	A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

DISTILLATES (PETROLEUM), STRAIGHT-RUN MIDDLE (CAS 64741-44-2)	3 Not classifiable as to carcinogenicity to humans.
TRIETHANOLAMINE (CAS 102-71-6)	3 Not classifiable as to carcinogenicity to humans.

US NTP Report on Carcinogens: Known carcinogen

PETROLATUM (CAS 8009-03-8)	Known To Be Human Carcinogen.
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Skin corrosion/irritation	Irritating to skin.
Symptoms and target organs	Generally non-irritating to the eye or skin. Mild irritation and redness may occur to the skin and eyes through excessive contact. Due to low volatility at room temperature, exposure to vapor is minimal. Product is not anticipated to be hazardous from a single inhalation exposure.

12. Ecological Information

Ecotoxicity	Contains a substance which causes risk of hazardous effects to the environment.
Persistence and degradability	Not available.

13. Disposal Considerations

Disposal instructions	Dispose of in accordance with current, applicable local, state, and federal regulations.
Contaminated packaging	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.

15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

CERCLA/SARA Hazardous Substances - Not applicable.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

Not listed.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated.

DEA Exempt Chemical Mixtures Code Number

Not regulated.

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

Not regulated.

CERCLA (Superfund) reportable quantity, lbs

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

Section 302 extremely hazardous substance

Not listed.

SARA 311/312

No

Hazardous chemical

International Inventories

Country(s) or region

Inventory name

On inventory (yes/no)*

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).

US state regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. 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. Massachusetts RTK - Substance List

PETROLATUM (CAS 8009-03-8)
SOYBEAN OIL (CAS 8001-22-7)
TRIETHANOLAMINE (CAS 102-71-6)

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

TRIETHANOLAMINE (CAS 102-71-6)

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

PETROLATUM (CAS 8009-03-8)
SOYBEAN OIL (CAS 8001-22-7)
TRIETHANOLAMINE (CAS 102-71-6)

US. Rhode Island RTK

Not regulated.

16. Other Information**Further information**

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 2
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 1
Instability: 0

Disclaimer

The information provided in this Material 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.

This data sheet contains changes from the previous version in section(s):

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