SAFETY DATA SHEET

1. Identification

Product identifier **BROWNELLS WATER DISPLACING OIL, 1 GALLON**

Other means of identification

Product code 082-057-128

Recommended use Oil and protection treatment.

Recommended restrictions Not available.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name	BROWNELLS, INC.	
Address	200 South Front Street Montezuma, Iowa 50171 United States	
Telephone	(641) 623-5401	
E-mail	Not available.	
Emergency phone number	INFOTRAC	Registrant #79335
	24 hour Emergency Number,	Domestic: (800) 457-4280
	24 hour Emergency Number,	Foreign: +1(352) 323-3500

2. Hazard(s) identification

Physical hazards	Flammable liquids	Category 4
Health hazards	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2B
	Carcinogenicity	Category 1B
	Specific target organ toxicity, single exposure	Category 3 narcotic effects
	Specific target organ toxicity, repeated exposure	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2

OSHA defined hazards Not available.

Label elements

Signal word Danger

Hazard statement May cause cancer. Harmful if inhaled. Causes damage to organs through prolonged or repeated exposure. May cause drowsiness or dizziness. Causes skin and eye irritation. Combustible liquid.

Precautionary statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from flames and hot surfaces - No smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response	If on skin: Wash with plenty of soap and water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor. Specific treatment (see this label). If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes. If swallowed: Do not induce vomiting. In case of fire: Use carbon dioxide, dry chemical or foam to extinguish.
Storage	Store away from incompatible materials. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
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	% of the mixture consists of component(s) of unknown acute inhalation toxicity.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
PETROLEUM DISTILLATES, HYDROTREATED LIGHT		64742-47-8	40 - < 50
SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC		64742-88-7	40 - < 50
CALCIUM BIS(DINONYLNAPHTHALENESULPHONATE)		57855-77-3	1 - < 10
DISTILLATES (PETROLEUM), SOLVENT REFINED LIGHT NAPHTHENIC		64741-97-5	1 - < 10
GLYCOL ETHER		112-34-5	1 - < 10
PARAFFIN WAXES (PETROLEUM), HYDROTREATED		64742-51-4	1 - < 10
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC		64742-65-0	1 - < 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. Oxygen or artificial respiration if needed. Call a physician or poison control center immediately. 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 contaminated clothing. Wash with plenty of soap and water. Get medical attention if irritation develops or persists. For minor skin contact, avoid spreading material on unaffected skin. Launder contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Call a physician immediately. 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.
Most important symptoms/effects, acute and delayed	Inhalation may cause headache, dizziness, drowsiness, and nausea. Skin irritation. Defatting of the skin. Moderate eye irritation. Ingestion may cause nausea and discomfort. Exposure may cause aggravation to pre-existing conditions of the respiratory system or the skin.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. 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	Carbon dioxide (CO2). Dry chemical. Foam.
Unsuitable extinguishing media	Water. Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Material will float and may ignite on surface of water. Runoff to sewer may cause fire or explosion hazard. Closed containers may rupture or explode (due to pressure build-up) when exposed to extreme heat.
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	Use standard firefighting procedures and consider the hazards of other involved materials. In case of fire and/or explosion do not breathe fumes. Use water to cool containers exposed to fire. Move containers from fire area if you can do so without risk. Water stream directed into fire may cause frothing and increase fire intensity. Water runoff can cause environmental damage. Some of these materials, if spilled, may evaporate leaving a flammable residue.
Hazardous combustion products	Thermal decomposition may yield oxides of carbon and sulfur.
General fire hazards	Combustible liquid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Avoid inhalation of vapors or mists. Ventilate closed spaces before entering them. 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	The product is immiscible with water and will spread on the water surface. Dike the spilled material where this is possible. Prevent further leakage or spillage if safe to do so. Use water spray to reduce vapors or divert vapor cloud drift. Clean up in accordance with all applicable regulations. Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Transfer to a container for disposal. Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid release to the environment. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

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. Keep away from flames and hot surfaces - No smoking. Observe good industrial hygiene practices. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Do not get this material in your eyes, on your skin, or on your clothing. Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Wash hands thoroughly after handling. Do not eat, drink or smoke when using the product. Avoid release to the environment.
Conditions for safe storage, including any incompatibilities	Store locked up. Store away from incompatible materials. See Section 10 of the SDS for incompatible materials. Store in a well-ventilated place. Keep cool. Keep container tightly closed. 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
DISTILLATES (PETROLEUM), SOLVENT REFINED LIGHT NAPHTHENIC (CAS 64741-97-5)	PEL	5 mg/m3	Mist.
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	PEL	5 mg/m3	Mist.
		2000 mg/m3 500 ppm	

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
DISTILLATES (PETROLEUM), SOLVENT REFINED LIGHT NAPHTHENIC (CAS 64741-97-5)	TWA	5 mg/m3	Inhalable fraction.
GLYCOL ETHER (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
DISTILLATES (PETROLEUM), SOLVENT REFINED LIGHT NAPHTHENIC (CAS 64741-97-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
PETROLEUM DISTILLATES, HYDROTREATED LIGHT (CAS 64742-47-8)	TWA	100 mg/m3	
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

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

Appropriate engineering controls Provide adequate general and local exhaust ventilation to maintain airborne concentration below exposure limits. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear chemical goggles and face shield.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Avoid contact with the skin. Wear chemical resistant or rubber apron and long sleeves. Barrier creams may be helpful if skin is sensitive.

Respiratory protection If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

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	Liquid.
Color	Light amber.
Odor	Mild, petroleum odor.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	350 - 450 °F (176.67 - 232.22 °C)
Flash point	150.0 °F (65.6 °C) Pensky-Martens Closed Cup
Evaporation rate	< 1 (BuAc = 1)
Flammability (solid, gas)	Not available.

Upper/lower flammability or explosive limits

Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.

Solubility(ies)

Solubility (water)	Insoluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

Other information

Specific gravity	0.81

10. Stability and reactivity

Reactivity	Not available.
Chemical stability	Product is stable when in closed container at room temperature under normal storage and handling conditions.
Possibility of hazardous reactions	Hazardous polymerization will not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides. Sulphur oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Do not breathe dust/fume/gas/mist/vapors/spray. Toxic if inhaled. May cause drowsiness, dizziness, headache, and nausea.
Skin contact	Avoid contact with the skin. Prolong contact may have a defatting effect on the skin and may cause irritation to the skin.
Eye contact	Avoid contact with eyes. Moderate eye irritation.
Ingestion	Do not swallow or taste. May cause nausea and discomfort. Lung damage may be caused by aspiration.

Symptoms related to the physical, chemical and toxicological characteristics Inhalation may cause headache, dizziness, drowsiness, and nausea. Skin irritation. Defatting of the skin. Moderate eye irritation. Ingestion may cause nausea and discomfort. Exposure may cause aggravation to pre-existing conditions of the respiratory system or the skin.

Information on toxicological effects

Acute toxicity Inhalation may cause headache, dizziness, drowsiness, and nausea. Toxic if inhaled. Skin irritation. Moderate eye irritation. Ingestion may cause nausea and discomfort.

Components	Species	Test Results
GLYCOL ETHER (CAS 112-34-5)		
Acute		
Dermal		
LD50	Rabbit	2700 mg/kg
Oral		
LD50	Mouse	2400 mg/kg
	Rabbit	2200 mg/kg
	Rat	4500 mg/kg

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

Skin corrosion/irritation Irritating to skin. Defats the skin.

Serious eye damage/eye irritation Moderately irritating to the eyes.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization Not available.

Germ cell mutagenicity Not available.

Carcinogenicity May cause cancer. Risk of cancer cannot be excluded with prolonged exposure.

IARC Monographs. Overall Evaluation of Carcinogenicity

DISTILLATES (PETROLEUM), SOLVENT REFINED LIGHT NAPHTHENIC (CAS 64741-97-5)	3 Not classifiable as to carcinogenicity to humans.
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	1 Carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens

PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)	Known To Be Human Carcinogen.

Reproductive toxicity Not available.

Specific target organ toxicity - single exposure May cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure Not available.

Aspiration hazard Not available.

Chronic effects Prolonged inhalation may be harmful. Prolonged skin contact may defat the skin. Prolonged exposure may cause chronic effects. Causes damage to organs through prolonged or repeated exposure. Exposure may cause aggravation to pre-existing respiratory and skin conditions

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Persistence and degradability Not available.

Bioaccumulative potential Not available.

Mobility in soil Not available.

Other adverse effects Not available.

13. Disposal considerations

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

Waste from residues / unused products Not available.

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.

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.
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)

GLYCOL ETHER (CAS 112-34-5) 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 - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
GLYCOL ETHER	112-34-5	1 - < 10

Other federal regulations

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

GLYCOL ETHER (CAS 112-34-5)

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

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

Not listed.

US. Massachusetts RTK - Substance List

DISTILLATES (PETROLEUM), SOLVENT REFINED LIGHT NAPHTHENIC (CAS 64741-97-5)
PETROLEUM DISTILLATES, HYDROTREATED LIGHT (CAS 64742-47-8)
PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC (CAS 64742-65-0)

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

GLYCOL ETHER (CAS 112-34-5)
PETROLEUM DISTILLATES, HYDROTREATED LIGHT (CAS 64742-47-8)

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

DISTILLATES (PETROLEUM), SOLVENT REFINED LIGHT NAPHTHENIC (CAS 64741-97-5)
GLYCOL ETHER (CAS 112-34-5)

PETROLEUM DISTILLATES, HYDROTREATED LIGHT (CAS 64742-47-8)

US. Rhode Island RTK

GLYCOL ETHER (CAS 112-34-5)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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 03-20-2015

Revision date 05-20-2015

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 Regulatory information: California Prop 65
GHS: Classification