# BBI

# SAFETY DATA SHEET

#### 1. Identification

Product identifier Liquid Wrench Chain & Cable Lube

Other means of identification

SDS number L711

Part No. L711, L711/4
Tariff code 3403.19.5000

Recommended use aerosol lubricant
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Blumenthal Brands Integrated, LLC

Address 600 Radiator Road

Indian Trail, NC 28079

**Telephone** Customer Service/ (704) 821-7643

Technical

Website www.solvewithB.com
E-mail sds@solvewithB.com

Emergency phone number INFOTRAC (United States) (800) 535-5053

INFOTRAC (International) (352) 323-3500

## 2. Hazard(s) identification

Physical hazards Flammable aerosols

Serious eye damage/eye irritation Category 2A

Germ cell mutagenicity

Carcinogenicity

Category 1B

Aspiration hazard

Category 1

Category 1

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

**Health hazards** 



Signal word Danger

**Hazard statement** Flammable aerosol. May be fatal if swallowed and enters airways. Causes serious eye irritation.

May cause genetic defects. May cause cancer.

**Precautionary statement** 

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye

Category 2

protection/face protection.

Response If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If in eyes: Rinse

cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If eye irritation persists:

Get medical advice/attention.

Storage Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Material name: Liquid Wrench Chain & Cable Lube

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L711, L711/4 Version #: 03 Revision date: 01-22-2021 Issue date: 08-02-2019

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

Supplemental information

None known.

NOTE: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The container label may not include the OSHA label elements listed in this document. Always carefully review the entire SDS and the product label prior to use in the workplace.

# 3. Composition/information on ingredients

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Chemical name	Common name and synonyms	CAS number	%
Hydrotreated Light Naphthenic Distillates Petroleum		64742-53-6	80 - < 90
Carbon Dioxide		124-38-9	3 - < 5
1-propene, 2-methyl-, Homopolymer		9003-27-4	1 - < 3
Butoxydiglycol		112-34-5	1 - < 3
Distillates, Petroleum, Solvent-dewaxed Heavy Paraffinic		64742-65-0	1 - < 3
Distillates (petroleum), Hydrotreated Heavy Naphthenic		64742-52-5	< 0.2
Other components below reportable	e levels		3 - < 5

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

## 4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

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

Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If

vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may

Most important symptoms/effects, acute and delayed

include stinging, tearing, redness, swelling, and blurred vision.

Indication of immediate medical attention and special treatment needed

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

**General information** 

Ingestion

media

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

## 5. Fire-fighting measures

Suitable extinguishing media Unsuitable extinguishing

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

During fire, gases hazardous to health may be formed.

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 in enclosed spaces, SCBA.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Use standard firefighting procedures and consider the hazards of other involved materials. Move Specific methods containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

General fire hazards Flammable aerosol.

Material name: Liquid Wrench Chain & Cable Lube

L711, L711/4 Version #: 03 Revision date: 01-22-2021 Issue date: 08-02-2019

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent entry into waterways, sewer, basements or confined areas. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

#### **Environmental precautions**

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. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid contact with eyes. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

# Conditions for safe storage, including any incompatibilities

Level 2 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

#### 8. Exposure controls/personal protection

#### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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

Components	Type	Value	Form
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m3	
		5000 ppm	
Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)	PEL	5 mg/m3	Mist.
		2000 mg/m3	
		500 ppm	
Distillates, Petroleum, Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	PEL	5 mg/m3	Mist.
		2000 mg/m3	
		500 ppm	
Hydrotreated Light Naphthenic Distillates Petroleum (CAS 64742-53-6)	PEL	5 mg/m3	Mist.
		2000 mg/m3	

Components	Туре	Value	Form		
		500 ppm			
US. ACGIH Threshold Limit \	/alues				
Components	Туре	Value	Form		
Butoxydiglycol (CAS 112-34-5)	TWA	10 ppm	Inhalable fraction and vapor.		
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm			
	TWA	5000 ppm			
Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.		
Distillates, Petroleum, Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	TWA	5 mg/m3	Inhalable fraction.		
Hydrotreated Light Naphthenic Distillates Petroleum (CAS 64742-53-6)	TWA	5 mg/m3	Inhalable fraction.		
US. NIOSH: Pocket Guide to		W.L.	Form		
Components	Туре	Value	FOIII		
Carbon Dioxide (CAS 124-38-9)	STEL	54000 mg/m3			
		30000 ppm			
	TWA	9000 mg/m3			
Distillator (notaelecus)	Cailing	5000 ppm			
Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)	Ceiling	1800 mg/m3			
	STEL	10 mg/m3	Mist.		
Distillates, Petroleum, Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)	Ceiling	1800 mg/m3			
·	STEL	10 mg/m3	Mist.		
Hydrotreated Light Naphthenic Distillates Petroleum (CAS 64742-53-6)	Ceiling	1800 mg/m3			
,	STEL	10 mg/m3	Mist.		
ogical limit values	No biological exposure limits noted for	or the ingredient(s).			
ropriate engineering trols	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Proviewash station.				
	such as personal protective equipm				
Eye/face protection	Chemical respirator with organic vapor	or cartridge and full facepiece.			
Skin protection	Wear appropriate chemical resistant	aloves			
Hand protection			anron is recommended		
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.				
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece. Chemical respirator with organic vapor cartridge and full facepiece if threshold limits are exceeded.				

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. 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.

# 9. Physical and chemical properties

Appearance Aerosol. Hazy Oily Liquid

Physical state Liquid.
Form Aerosol.

Color Light yellow/amber

Odor Mild

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling Not available.

range

Flash point 195.8 °F (91.0 °C) estimated

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

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 Not available.
Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

**Density** 7.49626 lbs/gal estimated

**Explosive properties** Not explosive.

Flammability class Combustible IIIA estimated

**Heat of combustion (NFPA** 

30B)

28.7 kJ/g estimated

Oxidizing properties Not oxidizing.

Percent volatile 4.05 % estimated

Specific gravity 0.89829 estimated

VOC 0.2 %

#### 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stabilityMaterial is stable under normal conditions.Possibility of hazardousHazardous polymerization does not occur.

reactions

Material name: Liquid Wrench Chain & Cable Lube
L711, L711/4 Version #: 03 Revision date: 01-22-2021 Issue date: 08-02-2019

SDS US

Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid

temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials

Strong oxidizing agents. Hazardous decomposition

products

No hazardous decomposition products are known.

## 11. Toxicological information

#### Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

No adverse effects due to skin contact are expected. Skin contact

Causes serious eye irritation. Eye contact

Ingestion Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and toxicological characteristics Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may

include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

**Test Results** Components **Species** 

1-propene, 2-methyl-, Homopolymer (CAS 9003-27-4)

**Acute** 

**Dermal** 

LD50 Rat > 2000 mg/kg, 24 Hours

Inhalation

Vapor

LC50 Rat > 3.8 mg/l, 7 Hours

Oral

LD50 Rat > 2000 mg/kg

Butoxydiglycol (CAS 112-34-5)

**Acute** 

**Dermal** 

LD50 Rabbit 2700 mg/kg

Oral

LD50 Rat

Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5)

Acute

Dermal

LD50 Rabbit > 2000 mg/kg, 24 Hours

Inhalation

LC50 Rat > 3.9 mg/l, 4 Hours

Oral

Rat LD50 > 2000 mg/kg

Distillates, Petroleum, Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0)

**Acute** 

**Dermal** 

LD50 Rabbit > 2000 mg/kg, 24 Hours

Inhalation

LC50 Rat > 3.9 mg/l, 4 Hours

Oral

LD50 Rat > 2000 mg/kg

Material name: Liquid Wrench Chain & Cable Lube

3306 mg/kg

**Test Results** Components Species

Hydrotreated Light Naphthenic Distillates Petroleum (CAS 64742-53-6)

**Dermal** 

LD50 Rabbit > 2000 mg/kg, 24 Hours

Inhalation

Rat LC50 > 3.9 mg/l, 4 Hours

Oral

LD50 Rat > 2000 mg/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

May cause genetic defects. Germ cell mutagenicity

Carcinogenicity May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity

Distillates, Petroleum, Solvent-dewaxed Heavy Paraffinic 3 Not classifiable as to carcinogenicity to humans.

(CAS 64742-65-0)

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Hydrotreated Light Naphthenic Distillates Petroleum Known To Be Human Carcinogen.

(CAS 64742-53-6)

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** May be fatal if swallowed and enters airways.

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

12. Ecological information

The product is not classified as environmentally hazardous. However, this does not exclude the **Ecotoxicity** 

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components **Species Test Results** 

1-propene, 2-methyl-, Homopolymer (CAS 9003-27-4)

Aquatic

Fish LC50 Rainbow trout, donaldson trout > 5600 mg/l, 96 hours

(Oncorhynchus mykiss)

Butoxydiglycol (CAS 112-34-5)

Aquatic

Fish LC50 Bluegill (Lepomis macrochirus) 1300 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

0.56 Butoxydiglycol

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

Material name: Liquid Wrench Chain & Cable Lube

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents

under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance

with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some

product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal. Do not re-use empty containers.

# 14. Transport information

DOT

UN1950 **UN number** 

**UN** proper shipping name Transport hazard class(es) Aerosols, flammable, (each not exceeding 1 L capacity), Limited Quantity

2.1 Subsidiary risk

2.1 Label(s)

Packing group Not available.

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

N82 Special provisions 306 Packaging exceptions Packaging non bulk None Packaging bulk None

IATA

UN1950 **UN number** 

UN proper shipping name Aerosols, flammable, Limited Quantity

Transport hazard class(es)

Class 2.1 Subsidiary risk

Not available. Packing group

**Environmental hazards** Nο **ERG Code** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft

Allowed with restrictions.

Cargo aircraft only

Allowed with restrictions.

**IMDG** 

**UN** number UN1950

**UN proper shipping name** AEROSOLS, Limited Quantity

Transport hazard class(es)

2 Class Subsidiary risk

Packing group Not available.

**Environmental hazards** 

Marine pollutant No. F-D, S-U **EmS** 

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to

Annex II of MARPOL 73/78 and

the IBC Code

Not established.

#### DOT; IMDG



## 15. Regulatory information

**US federal regulations** 

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

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

Not regulated.

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

Butoxydiglycol (CAS 112-34-5)

Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

Classified hazard categories

Flammable (gases, aerosols, liquids, or solids)

Acute toxicity (any route of exposure)
Serious eye damage or eye irritation

Germ cell mutagenicity Carcinogenicity Aspiration hazard

SARA 313 (TRI reporting)

 Chemical name
 CAS number
 % by wt.

 Butoxydiglycol
 112-34-5
 1 - < 3</td>

#### Other federal regulations

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

Butoxydiglycol (CAS 112-34-5)

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

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

#### **US** state regulations

#### **California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

SDS US

L711, L711/4 Version #: 03 Revision date: 01-22-2021 Issue date: 08-02-2019

# US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Butoxydiglycol (CAS 112-34-5)

Distillates (petroleum), Hydrotreated Heavy Naphthenic (CAS 64742-52-5) Distillates, Petroleum, Solvent-dewaxed Heavy Paraffinic (CAS 64742-65-0) Hydrotreated Light Naphthenic Distillates Petroleum (CAS 64742-53-6)

Inventory name

#### **International Inventories**

Australia

Country(s) or region

Canada	Domestic Substances List (DSL)	Yes
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	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No

Australian Inventory of Chemical Substances (AICS)

Taiwan Chemical Substance Inventory (TCSI)

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

Yes

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

 Issue date
 08-02-2019

 Revision date
 01-22-2021

Version # 03

HMIS® ratings Health: 3\*

Flammability: 4 Physical hazard: 0

NFPA ratings Health: 2

Flammability: 3 Instability: 0

**NFPA** ratings



**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 a 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.

On inventory (yes/no)\*

No

<sup>\*</sup>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).