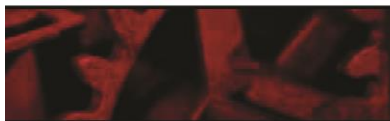


SAFETY DATA SHEET



Baton Rouge Industries, Inc.
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Baker, Louisiana 70714
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BatonRougeIndustries.com

SAFETY DATA SHEET

1. Product and Company Identification

Product Number	C-139
Product Name	De Aqua Lube
Effective Date	10/17/2018
Company Information	Baton Rouge Industries, Inc.
	5319 Groom Rd.
	Baker, La 70714
Telephone US Emergency	1-866-836-8855
Telephone outside US	1-952-852-4646
Version #	01

2. Hazards Identification

Physical hazards	Flammable aerosols	Category 1
Health hazards	Sensitization, skin	Category 1
	Reproductive toxicity (fertility)	Category 2
	Aspiration hazard	Category 1
OSHA defined hazards	Not classified	
Label elements		



Signal Word	Danger
Hazard statement	Extremely flammable aerosol. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. Suspected of damaging fertility.
Precautionary Statement	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. Avoid breathing gas. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Prevention	
Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting If on skin: Wash with plenty of water. If exposed or concerned: get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse

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.
Hazard(s) not otherwise classified (HNOC)	Combustible
Supplemental Information	None

3. Composition/information on ingredients

Mixtures

<u>Chemical Name</u>	<u>Common name and synonyms</u>	<u>CAS number</u>	<u>%</u>
White mineral oil		8042-47-5	40-60
Carbon Dioxide		124-38-9	2.5-10
Dipropylene Glycol Monomethyl Ether		34590-94-8	2.5-10
Octamethylcyclotetrasiloxane		556-67-2	2.5-10
Sulfonic Acids, petroleum, calcium salts		61789-86-4	0.1-1
Other components below reportable levels			40-60

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Rinse with water. Get medical attention if irritation develops or persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. May cause allergic skin reaction. Dermatitis. Rash.
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	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. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media **Unsuitable extinguishing media**

Foam. Dry Chemicals. 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.

Firefighting equipment/instructions

Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. 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.

Specific Methods

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

Extremely flammable aerosol. Combustible.

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. Avoid breathing gas. 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. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Following product recovery, flush area with water. 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 breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. 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.

Level 1 Aerosol

Conditions for safe storage, including any incompatibilities

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 away from incompatible materials (see Section 10 of the SDS)

8. Exposure controls/personal protection

Occupational Exposure limits

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

<u>Components</u>	<u>Type</u>	<u>Value</u>
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m3
Dipropylene Glycol	PEL	5000 ppm
Monomethyl Ether (CAS 34590-94-8)		600 mg/m3
		100ppm

US ACGIH Threshold Limit Values

<u>Components</u>	<u>Type</u>	<u>Value</u>
Carbon Dioxide (CAS 124-38-9)	STEL	30000ppm
Dipropylene Glycol	TWA	5000ppm
Monomethyl Ether (CAS 34590-94-8)	STEL	150ppm
	TWA	100ppm

US. NIOSH: Pocket Guide to Chemical Hazards

<u>Components</u>	<u>Type</u>	<u>Value</u>
Carbon Dioxide (CAS 124-38-9)	STEL	54000 mg/m ³
	TWA	30000 ppm
		9000 mg/m ³
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)	STEL	5000 ppm
	TWA	900 mg/m ³
	TWA	150 ppm
		600 mg/m ³
		100 ppm

US. Workplace Environmental Exposure Level (WEEL) Guides

<u>Components</u>	<u>Type</u>	<u>Value</u>
Octamethylcyclotetrasiloxane (CAS 556-67-2)	TWA	10 ppm
Biological limit values	No biological exposure limits noted for the ingredient(s)	

Exposure guidelines

- **US – California EOLs: Skin designation**
 - Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.
- **US – Tennessee OELs: Skin designation**
 - Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.
- **US ACGIH Threshold Limit Values: Skin designation**
 - Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.
- **US NIOSH Pocket guide to Chemical Hazards: Skin designation**
 - Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.
- **US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**
 - Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8) Can be absorbed through the skin.

Appropriate engineering controls

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.

Individual protection measures, such as personal protective equipment

- **Eye/face protection**
- **Skin protection**
 - **Hand protection**

 - **Other**
- **Respiratory protection**

- **Thermal hazards**

Chemical goggles are recommended.

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.

Wear appropriate thermal protective clothing, when necessary.

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. Contaminated work clothing should not be allowed out of the workplace.

General hygiene considerations

9. Physical and chemical properties

Appearance

- **Physical state**
- **Form**
- **Color**

Gas

Aerosol

Not Available

Odor

Not Available

Odor threshold

Not Available

pH

Not Available

Melting point/freezing point

Not Available

Initial boiling point and boiling range

Not Available

Flash Point

300.9°F (149.4°C) estimated

Evaporation point

Not Available

Flammability (solid, gas)

Not Available

Upper/lower flammability or explosive limits

- Flammability limit – lower (%) 0.5% estimated
- Flammability limit – upper (%) 4.4% estimated
- Explosive limit – lower (%) Not available
- Explosive limit – upper (%) Not available

Vapor pressure 60-80 psig @ 70°F estimated**Vapor density** Not Available**Relative density** Not Available**Solubility(ies)**

- Solubility (water) Not Available

Partition coefficient (n-octanol/water) Not Available**Auto-ignition temperature** Not Available**Decomposition temperature** Not Available**Viscosity** Not Available**Other information****Explosive properties** Not explosive**Oxidizing properties** Not oxidizing**10. Stability and reactivity****Reactivity**

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

Chemical stability

Material is stable under normal conditions

Possibility of hazardous reactions

Hazardous polymerization does not occur

Conditions to avoid

Keep away from heat, sparks, and open flame.

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

Skin contact

May cause an allergic skin reaction

Direct contact with eyes may cause temporary irritation.

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. May cause an allergic skin reaction. Dermatitis. Rash

Information on toxicological effects**Acute toxicity**

May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

<u>Components</u>	<u>Species</u>	<u>Test Results</u>
Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)		
<u>Acute</u> <u>Dermal</u> LD50	Rabbit	9510 mg/kg, 24 hours 10 ml/kg, 24 hours
	Rat	>19020 mg/kg, hours >20 ml/kg, hours
<u>Inhalation</u> LD50	Rat	>553 ppm, 8 hours >275 ppm, 7 hours
<u>Oral</u> LD50	Dog	7.5 ml/kg
	Rat	>5000 mg/kg 5.4 ml/kg
Octamethylcyclotetrasiloxane (CAS 556-67-2)		
<u>Acute</u> <u>Dermal</u> LD50	Rat	>2000 mg/kg, 24 hours
<u>Inhalation</u> <u>Aerosol</u> LC50	Rat	36 mg/l, 4 hours
<u>Oral</u> LD50	Mouse	1700 mg/kg
	Rat	>4800 mg/kg
Sulfonic Acids, Petroleum, Calcium Salts (CAS 61789-86-4)		
<u>Acute</u> <u>Dermal</u> LD50	Rabbit	>4000 mg/kg, 24 hours
	Rat	>2000 mg/kg, 24 hours
<u>Inhalation</u> LC50	Rat	>1.9 mg/l, 4 hours
<u>Oral</u> LD50	Rat	>5000 mg/kg
White Mineral Oil (CAS 8042-47-5)		
<u>Acute</u> <u>Dermal</u> LD50	Rabbit	>2000 mg/kg, 24 hours
<u>Inhalation</u> LC50	Rat	2.18 mg/l, 4 hours
<u>Oral</u> LD50	Rat	>5000 mg/kg

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

Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer
Skin sensitization	May cause an allergic skin reaction
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA
IARC Monographs Overall Evaluation of Carcinogenicity	Not listed
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not regulated
US. National Toxicology Program (NTP) Report on Carcinogens	Not listed
Reproductive toxicity	Suspected of damaging fertility
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

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment
Persistence and degradability	No data is available on the degradability of this product
Bioaccumulative potential	No data available
mobility in soil	
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.

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

UN number	UN1950
UN proper shipping name	Aerosols, flammable, (each not exceeding 1 L capacity)
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable
Special precautions for user	Not available
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	No
ERG Code	10L
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
Packaging Exceptions	LTD QTY

IMDG

UN number	UN19850
UN proper shipping name	AEROSOLS
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	None
Packing group	Not Applicable

Environmental hazards

Marine pollutant

No

EmS

F-D, S-U

Special precautions for user

Read safety instructions, SDS, and emergency procedures before handling

Packaging exceptions

LTD QTY

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC CODE

Not applicable

DOT



IATA; 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 (40CFR 302.4)

Not listed

SARA 304 Emergency release notification

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated

**Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories**

Immediate Hazard – Yes

Delayed Hazard – Yes

Fire Hazard – Yes

	Pressure Hazard – Yes Reactivity Hazard – No
SARA 302 Extremely hazardous substance	Not listed
SARA 311/312 Hazardous chemical	No
SARA 313 (TRI reporting)	Not regulated
<u>Other federal regulations</u>	
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
<u>US state regulations</u>	
US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)	Not listed
US. California. Candidate Chemicals List Safety Consumer Products Regulations (Cal. Code Regs, tit, 22, 69502.3, subd. (a))	Octamethylcyclotetrasiloxane (CAS 556-67-2)
US. Massachusetts RTK – Substance List	Carbon Dioxide (CAS 124-38-9) Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)
US. New Jersey Worker and Community Right-to-Know Act	Carbon Dioxide (CAS 124-38-9) Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)
US. Pennsylvania Worker and Community Right-to-Know Law	Carbon Dioxide (CAS 124-38-9) Dipropylene Glycol Monomethyl Ether (CAS 34590-94-8)
US. Rhode Island RTK	Not regulated
US. California Proposition 65 WARNING: This product contains a chemical known to the state of California to cause cancer. US – California Proposition 65 – CRT: Listed date/carcinogenic substance	Myrcene (CAS 123-35-3) Listed: March 27, 2015

International Inventories

<u>Country(s) or region</u>	<u>Inventory name</u>	<u>On inventory (yes/no)*</u>
Australia	Australian Inventory of Chemical Substances (AICS)	No
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
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	10/18/2018
Version #	01
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 relate only to the specific material designated and may not be valid for such material used in combination with other materials or in any process, unless specified in the text.
Revision information	Product and Company Identification: Alternate Trade names.