



Safety Data Sheet DSC BrinE Lub™

SDS Revision Date:

06/03/2015

1. Identification

1.1. Product identifier

Product Identity Brine Lub™

Alternate Names Brine Lub™

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Technical Data Sheet.

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Deep South Chemical, Inc.
229 Millstone Road
Broussard, LA 70518

Emergency

CHEMTREC (USA) (800) 424-9300

Customer Service: Deep South Chemical, Inc. (337) 837-9931

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Acute Tox. 4;H302	Harmful if swallowed.
Skin Corr. 1B;H314	Causes severe skin burns and eye damage.
Eye Dam. 1;H318	Causes serious eye damage.
STOT RE 2;H373	May cause damage to organs through prolonged or repeated exposure. Specific Target Organs: (Kidneys)

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

[Prevention]:

P260 Do not breathe mist / vapors / spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P310 Immediately call a POISON CENTER or doctor / physician.

P314 Get Medical advice / attention if you feel unwell.

P330 Rinse mouth.

P331 Do NOT induce vomiting.

P363 Wash contaminated clothing before reuse.

[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Ethylene glycol CAS Number: 0000107-21-1	25 - 50	Acute Tox. 4;H302 STOT RE 2;H373	[1][2]
Phosphate ester CAS Number: 0056572-86-2	25 - 50	Skin Corr. 1B;H314 Eye Dam. 1;H318	[1]
2-methylpentane-2,4-diol CAS Number: 0000107-41-5	1.0 - 10	Eye Irrit. 2;H319 Skin Irrit. 2;H315	[1][2]
Phosphoric acid CAS Number: 0007664-38-2	1.0 - 10	Skin Corr. 1B;H314 (> 25%)	[1][2]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

4.2. Most important symptoms and effects, both acute and delayed

Overview

Emergency Overview: May cause irritation to the eyes and skin. Avoid contact with skin or eyes. May be irritating to the respiratory system.

Eye Contact: This product may cause eye irritation, reddening. If not removed immediately may result in injury to eyes.

Skin Contact: Prolonged contact will result in de-oiling of the skin and inflammation and rashes.

Ingestion: Swallowing material may cause burning feeling resulting in irritation and possible chemical burns to mouth, throat and mucous membrane. Material will cause upset stomach and sickness.

Inhalation: Breathing of vapors may cause sickness, sneezing or irritation to the respiratory tract. Vapors or mists will cause irritation of mucous membranes. See section 2 for further details.

Eyes

Causes serious eye damage.

Skin

Causes severe skin burns and eye damage.

Ingestion

Harmful if swallowed.

5. Fire-fighting measures

5.1. Extinguishing media

Water, foam, CO2 or dry chemical. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Stay away from ends of containers.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Will Not Occur.

Do not breathe mist / vapors / spray.

5.3. Advice for fire-fighters

Cool the material with water. It burns only when hot. Use self contained breathing apparatus and full bunker gear.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

6.3. Methods and material for containment and cleaning up

Recover all usable material. Soak up balance with sand or dirt. Dispose of media according to regulations. Always wear proper personal protection when addressing spill or leak.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Use with adequate ventilation.

Avoid breathing vapors.

Avoid breathing spray mist.

Harmful if swallowed.

For industrial use only.

Avoid contact with skin and eyes. After handling this product, wash hands before eating, drinking, or smoking. If needed, take emergency first aid action shown in this Material Safety Data Sheet.

Remove and wash contaminated clothing.

Store in iron, stainless steel or reinforced plastic tanks. Contact tank manufacturers for recommendations.

Store in a cool dry place. Avoid open flames.

Incompatible materials: Strong oxidizing agents and/or alkalis.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000107-21-1	Ethylene glycol	OSHA	No Established Limit
		ACGIH	TWA: 10 mg/m3 (Particulate) Ceiling: 100 mg/m3 (Aerosol) 50 ppm (Vapor)STEL: 20 mg/m3 (Particulate)
		NIOSH	no established RELs
		Supplier	No Established Limit
0000107-41-5	2-methylpentane-2,4-diol	OSHA	No Established Limit
		ACGIH	Ceiling: 25 ppm
		NIOSH	C 25 ppm (125 mg/m3)
		Supplier	No Established Limit
0007664-38-2	Phosphoric acid	OSHA	TWA 1 mg/m3
		ACGIH	TWA: 1 mg/m3STEL: 3 mg/m3
		NIOSH	TWA 1 mg/m3 ST 3 mg/m3
		Supplier	No Established Limit
0056572-86-2	Phosphate ester	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000107-21-1	Ethylene glycol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000107-41-5	2-methylpentane-2,4-diol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007664-38-2	Phosphoric acid	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0056572-86-2	Phosphate ester	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

8.2. Exposure controls

Respiratory	Avoid breathing vapors as they are irritating. A NOISH approved acid gas respirator should be used if vapors are unavoidable.
Eyes	Use goggles and face shield.
Skin	Use acid resistant gloves.
Engineering Controls	Mechanical ventilation recommended if personnel would be working in a confined space with open containers.
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Clear Amber Liquid
Odor	Unknown
Odor threshold	Not determined
pH	2.0 to 3.0 @25C
Melting point / freezing point	-33F
Initial boiling point and boiling range	Not Measured
Flash Point	>200F
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	8.34 pounds per gallon, 1.060-1.085
Solubility in Water	Soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured

9.2. Other information

No other relevant information.

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Open flames.

10.5. Incompatible materials

Strong oxidizing agents and/or alkalis.

10.6. Hazardous decomposition products

Will Not Occur.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Ethylene glycol - (107-21-1)	4,700.00, Rat - Category: 5	10,626.00, Rabbit - Category: NA	No data available	No data available	No data available
Phosphate ester - (56572-86-2)	No data available	No data available	No data available	No data available	No data available
2-methylpentane-2,4-diol - (107-41-5)	3,700.00, Rat - Category: 5	7,892.00, Rabbit - Category: NA	No data available	No data available	No data available
Phosphoric acid - (7664-38-2)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1B	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Ethylene glycol - (107-21-1)	8,050.00, Pimephales promelas	100.00, Crangon crangon	6,500.00 (96 hr), Selenastrum capricornutum
Phosphate ester - (56572-86-2)	Not Available	Not Available	Not Available
2-methylpentane-2,4-diol - (107-41-5)	10,000.00, Lepomis macrochirus	2,800.00, Cerodaphnia reticulata	Not Available
Phosphoric acid - (7664-38-2)	Not Available	Not Available	Not Available

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	D2B E
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): Yes

EPCRA 311/312 Chemicals and RQs (lbs):

Ethylene glycol (5,000.00)
Phosphoric acid (5,000.00)

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Ethylene glycol

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

2-methylpentane-2,4-diol
Ethylene glycol
Phosphoric acid

Pennsylvania RTK Substances (>1%):

2-methylpentane-2,4-diol
Ethylene glycol
Phosphoric acid

Safety Data Sheet

DSC Brine Lub™

SDS Revision Date:

06/03/2015

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

This product's safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein, is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by this company in this respect. Since the use of this product is within the exclusive control of the user, it is the user's obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal regulations concerning the product. All materials in this product are produced in compliance with Public Law 94-469 (also known as the "Toxic Substances Control Act" of 1976).

End of Document