



## SAFETY DATA SHEET

### Rheonic DRA PA

#### Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Rheonic DRA PA  
Other means of identification : N/A  
Recommended use :  
Drag Reducing Agent  
Restrictions on use : None known.  
Company : Drillchem Drilling Solutions, LLC  
PO Box 132107  
Spring, TX 77393 USA  
Office: (281) 713-8941  
Emergency telephone : (800) 424-9300 (24 Hours) CHEMTREC  
number  
Issuing date : 01/21/2021

#### Section: 2. HAZARDS IDENTIFICATION

**GHS Classification** : This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical hazards : Not Classified  
Health hazards : Not Classified  
OSHA defined hazards : Not Classified

**GHS Label element**

Hazard symbol : None.  
Signal Word : None.  
Hazard Statements : The mixture does not meet the criteria for classification.  
Precautionary Statements : **Prevention:** Observe good industrial hygiene practices.  
**Response:** Wash hands after handling.  
**Storage:** Store away from incompatible materials.  
**Disposal:** Dispose of contents/container in accordance with national/local regulations.

**Other hazards** : None known.  
**Supplemental Information** : After prolonged contact with highly porous materials, this product may spontaneously combust.

#### Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

##### Mixtures

Chemical Name	CAS number	%
Soybean Oil	8001-22-7	20 - 50
Calcium Distearate	159-23-0	2.5 – 7.5

Composition Comments : All concentrations are in percent by weight unless otherwise indicated.  
Components not listed are either non-hazardous or are below reportable limits.

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### Section: 4. FIRST AID MEASURES

- In case of eye contact : Rinse with water. Get medical attention if irritation develops and persists.
- In case of skin contact : Wash off with soap and water. Get medical attention if irritation develops and persists.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Move to fresh air. Call a physician if symptoms develop or persist.
- Indication of immediate medical attention and special treatment needed : Treat symptomatically.
- Most important symptoms and effects, both acute and delayed : Exposure may cause temporary irritation, redness, or discomfort.
- General Information : Remove and isolate contaminated clothing and shoes. Clothing contaminated with this product may spontaneously catch fire if improperly discarded. Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### Section: 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Alcohol resistant foam. Carbon Dioxide (CO<sub>2</sub>).
- Unsuitable extinguishing media : Do not use water jet as an extinguisher, as this will spread the fire.
- Specific hazards during firefighting : During fire, gases hazardous to health may be formed. Combustion products may include: carbon oxides. Porous materials such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.
- Hazardous thermal combustion products : May include oxides of carbon (carbon monoxide & carbon dioxide). Avoid Contact with strong oxidizers which can produce irritating fumes.
- Special protective equipment for firefighters : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- Firefighting equipment/instructions – Specific methods : Move containers from fire area if you can do so without risk.
- Specific methods : Use standard firefighting procedures and consider the hazards of other involved materials.
- General Fire hazards : Spontaneous combustion can occur.

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### Section: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.

Environmental precautions : Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up : This product is immiscible with water and will spread on the water surface. Rages, steel wool, or waste contaminated with this product may spontaneously catch fire if improperly discarded. Used rages or other cleaning materials should be soaked with water and placed in a sealed container.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

**Small Spills:** Absorb spillage with suitable material. Clean surface thoroughly to remove residual contamination.

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

Environmental Precautions : Avoid discharge into drains, water courses or onto the ground.

### Section: 7. HANDLING AND STORAGE

Precautions for safe handling : Avoid prolonged exposure. Observe good industrial hygiene practices.

Conditions for safe storage : Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

### Section: 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
Soybean oil (CAS 8001-22-7)	PEL	5 mg/m <sup>3</sup> 15 mg/m <sup>3</sup>	Respirable fraction Total Dust

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Calcium Distearate (CAS 1592-23-0)	TWA	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable fraction Inhalable Fraction

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Soybean oil (CAS 8001-22-7)	TWA	5 mg/m <sup>3</sup> 15 mg/m <sup>3</sup>	Respirable mist Total mist

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

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Appropriate engineering controls : Good general ventilation 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.

#### Industrial protection measures, such as personal protective equipment

Eye/face protection : Wear safety glasses with side shields (or goggles).  
Skin protection :  
Hand Protection : Chemical resistant gloves are recommended. Suitable gloves can be recommended by the glove supplier.  
Other : Wear appropriate chemical resistant clothing. Chemical/oil resistant clothing is recommended.  
Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Wear NIOSH approved respirator appropriate for airborne exposure at the point of use. Appropriate respirator selection should be made by a qualified professional.  
Good 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.

#### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Color : Pale Yellow  
Odor : Vegetable oil  
Flash point : 210.0 °F (98.9 °C)  
pH : Not available  
Odour Threshold : Not available  
Melting point/freezing point : 0.14 °F (-17.7 °C)  
Initial boiling point and boiling range : >419°F (>215°C)  
Evaporation rate : Not available  
Flammability (solid, gas) : Not applicable  
Upper explosion limit : Not available  
Lower explosion limit : Not available  
Vapour pressure : Not available  
Relative vapour density : Not available  
Density : 0.89 g/ml  
Water solubility : Insoluble in water  
Solubility in other solvents : Miscible in hydrocarbons

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Partition coefficient: n-octanol/water	:	Not available
Auto-ignition temperature	:	Not available
Thermal decomposition temperature	:	Not available
Viscosity, dynamic	:	300 cP @ 511 S <sup>-1</sup> (72°F/22.2°C)
Viscosity, kinematic	:	Not available
Molecular weight	:	Not available

#### Section: 10. STABILITY AND REACTIVITY

Reactivity	:	The product is stable and non-reactive under normal condition of use, storage and transport.
Chemical stability	:	Stable under normal conditions
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Avoid temperatures exceeding the flash point. Contact with incompatible materials. Porous materials such as rages, insulation, or organic clay may spontaneously combust when wetted with this material.
Incompatible materials	:	Strong oxidizing agents.
Hazardous decomposition products	:	No hazardous decomposition products are known.

#### Section: 11. TOXICOLOGICAL INFORMATION

##### Information on likely routes of exposure

Inhalation	:	Prolonged inhalation may be harmful
Skin contact	:	May cause mild skin irritation upon prolonged and excessive contact.
Eye contact	:	Direct contact with eyes may cause temporary irritation.
Ingestion	:	May cause discomfort if swallowed.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	:	Exposure may cause temporary irritation, redness, or discomfort.

##### Information on toxicological effects

Acute toxicity	:	Not expected to be acutely toxic.
Skin corrosion/irritation	:	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	:	Direct contact with eyes may cause temporary irritation.

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Respiratory or skin sensitization	:	Not a respiratory sensitizer. This product is not expected to cause skin sensitization.
Germ cell mutagenicity	:	No data available to indicate product or any component present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	:	This product has not been tested itself.
IARC Monographs. Overall Evaluation of Carcinogenicity	:	Not listed
NTP Report on Carcinogens	:	Not listed
OSHA Specially Regulated Substances (29 CFR 1910.1001-1053)	:	Not listed
Reproductive toxicity	:	This product is not expected to cause reproductive or developmental effects.
STOT - single exposure	:	Not classified
STOT - repeated exposure	:	Not classified
Aspiration toxicity	:	Not an aspiration hazard

### Section: 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 biodegradability	:	No data is available on the degradability of this product.
Bioaccumulative potential	:	No data is available
Mobility in Soil	:	Partially dispersible in water. Not expected to be mobile in soil.
Other Adverse effects	:	Oil spills are generally hazardous to the environment.

### Section: 13. DISPOSAL CONSIDERATIONS

Disposal Instructions	:	Collect and reclaim or dispose in sealed containers are licensed waste disposal site. Porous combustible material contaminated with this product must be collected in tightly closed metal container. Cover with water, or solution of water and detergent. Store in a cool place. Protect from heat and direct sunlight.
Local disposal regulations	:	Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its containers must be disposed of in a safe manner
Hazardous waste code	:	The waste code should be assigned in discussion between user, the producer and the waste disposal company.
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.

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### Section: 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 established

### Section: 15. REGULATORY INFORMATION

**US Federal regulations** : This product is not known to be 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)** : Not listed

**SARA 304 Emergency release notification** : Not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)** : Not listed

**Toxic Substances Control Act (TSCA)** : All components of the mixtures on the TSCA 8(b) inventory are designated active.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**SARA 302 Extremely hazardous substances** : Not listed

**SARA 311/312 Hazardous Chemical** : No

**SARA 313 (TRI Reporting)** : Not regulated

#### Other federal regulations

**Clean Air Act (CAA) Section 12 Hazardous Air Pollutants (HAPs) List** : Not regulated

**Clean Air Act (CAA) Section 112® Accidental Release Preventions (40 CFR 68.130)** : Not regulated

**Safe Drinking Water Act (SDWA)** : Contains component(s) regulated under the Safe Drinking Water Act

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### US State Regulations

- U.S. Massachusetts RTK – Substance List** : Soybean oil (CAS 8001-22-7)
- U.S. New Jersey Worker and Community Right-to-Know Act** : Not listed
- U.S. Pennsylvania Worker and Community Right-to-Know Law** : Soybean oil (CAS 8001-22-7)
- U.S. Rhode Island RTK** : Soybean oil (CAS 8001-22-7)
- 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](http://www.P65Warnings.ca.gov).

### 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
European Inventory of Existing Commercial Chemical Substances (EINECS) Europe	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)	Yes
New Zealand New Zealand Inventory	Yes
Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies 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).



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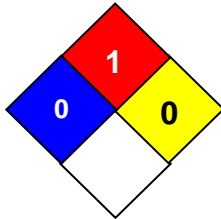
Rheonic DRA PA

## Section: 16. OTHER INFORMATION

### NFPA:

Flammability

Health



Instability

### HMIS III:

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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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.