

**Diacel® Adjustable Spacer Viscosifier**

Version 2.4

Revision Date 2026-08-31

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product information**

Product Name : Diacel® Adjustable Spacer Viscosifier  
Material : 1097192  
Use : Oil Field Cement Spacer  
Company : Chevron Phillips Chemical Company LP  
Drilling Specialties Company LLC  
9500 Lakeside Blvd.  
The Woodlands, TX 77381

**Emergency telephone:****Health:**

866.442.9628 (North America)

1.832.813.4984 (International)

**Transport:**

CHEMTREC 800.424.9300 or 703.527.3887(int'l)

Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090

Mexico CHEMTREC 01-800-681-9531 (24 hours)

South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

Argentina: +(54)-1159839431

EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week)

Belgium: 070 245 245 (24 hours/day, 7 days/week)

Bulgaria: +359 2 9154 233

Croatia: +3851 2348 342 (24 hours/day, 7 days/week)

Cyprus: 1401

Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402

Denmark: Danish Poison Center (Giftlinjen): +45 8212 1212

Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Finland: 0800 147 111 09 471 977 (24 hours/day)

France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week)

Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Greece: (0030) 2107793777 (24 hours/day, 7 days/week)

Hungary: +36-80-201-199 (24 hours/day, 7 days/week)

Iceland: 543 2222 (24 hours/day, 7 days/week)

Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Italy: POISON CENTER MILAN – Azienda Ospedaliera Niguarda Ca` Grande Tel. +39 02

66101029; POISON CENTER ROME – Policlinico “Agostino Gemelli”, Servizio di tossicologia

clinica Tel. +39 06 3054343; POISON CENTER ROME – Ospedale Pediatrico Bambino Gesù

Tel. +39 06 68593726; POISON CENTER ROME – Policlinico “Umberto I” Tel. +39 06 4997 8000;

POISON CENTER FOGGIA – Azienda Ospedaliera Universitaria Riuniti Tel. +39 0881 732326;

POISON CENTER NAPLES – Azienda Ospedaliera “Antonio Cardarelli” Tel. +39 081 7472870;

POISON CENTER FLORENCE – Azienda Ospedaliera universitaria Careggi Tel. +39 055

7947819; POISON CENTER PAVIA – IRCCS Fondazione Salvatore Maugeri Tel. +39 0382

24444; POISON CENTER BERGAMO – Azienda Ospedaliera “Papa Giovanni XXIII” Tel. 800 883

300; POISON CENTER VERONA – Azienda Ospedaliera Universitaria integrata Tel. 800 011

858;

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Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371 67042473. (24 hours.)  
 Liechtenstein: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Lithuania: +370 (85) 2362052  
 Luxembourg: (+352) 8002 5500 (24 hours/day, 7 days/week)  
 Malta: +356 2395 2000  
 The Netherlands: NVIC: +31 (0)88 755 8000  
 Norway: 22 59 13 00 (24 hours/day, 7 days/week)  
 Poland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Portugal: CIAV phone number: +351 800 250 250  
 Romania: +40213183606  
 Slovakia: +421 2 5477 4166  
 Slovenia: Phone number: 112  
 Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week)  
 Sweden: 112 – ask for Poisons Information

Organization that prepared the SDS : Product Safety and Toxicology Group  
 E-mail address : SDS@CPChem.com  
 Website : www.CPChem.com

**SECTION 2: Hazards identification****Classification of the substance or mixture**

This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

**Classification**

: Skin sensitization, Category 1  
 Carcinogenicity, Category 1A  
 Specific target organ toxicity - repeated exposure, Category 1,  
 Inhalation, Lungs

**Labeling**

Symbol(s)



Signal Word

: Danger

Hazard Statements

: H317: May cause an allergic skin reaction.  
 H350: May cause cancer.  
 H372: Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

Precautionary Statements

: **Prevention:**  
 P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P260 Do not breathe dust.  
 P264 Wash skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P272 Contaminated work clothing must not be allowed out of the workplace.  
 P280 Wear protective gloves, protective clothing, eye

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protection and face protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Carcinogenicity:****IARC**

Group 1: Carcinogenic to humans

Crystalline Silica 14808-60-7

**NTP**

Known to be human carcinogen

Crystalline Silica 14808-60-7

**SECTION 3: Composition/information on ingredients**

Molecular formula : Mixture

| Component                         | CAS-No.     | Weight % |
|-----------------------------------|-------------|----------|
| Methyl ester of sulfonated tannin | Proprietary | 5 - 15   |
| Crystalline Silica                | 14808-60-7  | 0.1 - 2  |
| Stannous Sulfate                  | 7488-55-3   | 0.5 - 1  |

**SECTION 4: First aid measures**

- General advice : Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.
- If inhaled : If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

**Notes to physician**

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Treatment : Treat symptomatically.

**SECTION 5: Firefighting measures**

Flash point : Not applicable

Autoignition temperature : Not applicable

Unsuitable extinguishing media : High volume water jet.

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Fire and explosion protection : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

**SECTION 6: Accidental release measures**

Personal precautions : Use personal protective equipment. Avoid dust formation. Avoid breathing dust.

Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up : Keep in suitable, closed containers for disposal.

**SECTION 7: Handling and storage****Handling**

Advice on safe handling : Avoid formation of respirable particles. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

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**Storage**

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Use : Oil Field Cement Spacer

**SECTION 8: Exposure controls/personal protection****Ingredients with workplace control parameters**

US

| Components         | Basis      | Value | Control parameters                         | Note                              |
|--------------------|------------|-------|--------------------------------------------|-----------------------------------|
| Crystalline Silica | OSHA Z-3   | TWA   | 250mppcf / %SiO <sub>2</sub> +5            | respirable                        |
|                    | OSHA Z-3   | TWA   | 10mg/m <sup>3</sup> / %SiO <sub>2</sub> +2 | respirable                        |
|                    | OSHA Z-3   | TWA   | 0.1 mg/m <sup>3</sup>                      | Respirable fraction               |
|                    | OSHA Z-1-A | TWA   | 0.1 mg/m <sup>3</sup>                      | respirable dust fraction          |
|                    | ACGIH      | TWA   | 0.025 mg/m <sup>3</sup>                    | A2, Respirable particulate matter |
|                    | OSHA Z-1   | TWA   | 0.05 mg/m <sup>3</sup>                     | Respirable fraction               |
|                    | OSHA Z-1   | TWA   | 0.05 mg/m <sup>3</sup>                     | (respirable dust)                 |
|                    | OSHA CARC  | PEL   | 0.05 mg/m <sup>3</sup>                     | respirable                        |
| Stannous Sulfate   | OSHA Z-1   | TWA   | 2 mg/m <sup>3</sup>                        |                                   |
|                    | OSHA Z-1-A | TWA   | 2 mg/m <sup>3</sup>                        |                                   |
|                    | ACGIH      | TWA   | 2 mg/m <sup>3</sup>                        | Inhalable particulate matter      |
|                    | CAL PEL    | PEL   | 2 mg/m <sup>3</sup>                        |                                   |

A2 Suspected human carcinogen

**Immediately Dangerous to Life or Health Concentrations (IDLH)**

| Substance name     | CAS-No.    | Control parameters                                                                   | Update     |
|--------------------|------------|--------------------------------------------------------------------------------------|------------|
| Crystalline Silica | 14808-60-7 | Immediately Dangerous to Life or Health Concentration Value<br>50 mg/m <sup>3</sup>  | 1995-03-01 |
| Stannous Sulfate   | 7488-55-3  | Immediately Dangerous to Life or Health Concentration Value<br>100 mg/m <sup>3</sup> | 1995-03-01 |

**Engineering measures**

Adequate ventilation to control airborne concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

**Personal protective equipment**

Respiratory protection : If ventilation or other engineering controls are not adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure, a supplied-air NIOSH approved respirator may be appropriate. If exposure to harmful levels of airborne material may occur, a NIOSH approved respirator that provides protection may be appropriate, such as: Air-Purifying Respirator for Dusts and Mists / P100. A positive pressure, air-supplying respirator may be appropriate if there is potential for uncontrolled release, aerosolization, exposure levels are not

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known, or other circumstances where air-purifying respirators may not provide adequate protection.

- Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Eye protection : Eye wash bottle with pure water. Safety glasses.
- Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate. Remove and wash contaminated clothing before re-use. Skin should be washed after contact. Footwear protecting against chemicals.
- Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****Appearance**

- Form : Powder
- Physical state : solid
- Color : off-white, tan

**Safety data**

- Flash point : Not applicable
- Lower explosion limit : No data available
- Upper explosion limit : No data available
- Oxidizing properties : No
- Autoignition temperature : Not applicable
- Molecular formula : Mixture
- Molecular weight : Not applicable
- pH : Not applicable
- Pour point : No data available
- Boiling point/boiling range : No data available
- Vapor pressure : No data available

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|                                        |                     |
|----------------------------------------|---------------------|
| Relative density                       | : No data available |
| Water solubility                       | : Slightly soluble  |
| Partition coefficient: n-octanol/water | : No data available |
| Viscosity, kinematic                   | : No data available |
| Relative vapor density                 | : No data available |
| Evaporation rate                       | : No data available |

**SECTION 10: Stability and reactivity**

|                                           |                                                                                                                                        |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | : Stable under recommended storage conditions.                                                                                         |
| <b>Chemical stability</b>                 | : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. |
| <b>Possibility of hazardous reactions</b> |                                                                                                                                        |
| <b>Hazardous reactions</b>                | : Further information: No decomposition if stored and applied as directed.                                                             |
| <b>Conditions to avoid</b>                | : No data available.                                                                                                                   |
| <b>Other data</b>                         | : No decomposition if stored and applied as directed.                                                                                  |

**SECTION 11: Toxicological information****Diacel® Adjustable Spacer Viscosifier**

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| <b>Acute oral toxicity</b> | : Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method |
|                            | Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method   |
|                            | Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method   |

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|                                  |                     |
|----------------------------------|---------------------|
| <b>Acute inhalation toxicity</b> | : No data available |
|----------------------------------|---------------------|

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|                              |                                                                      |
|------------------------------|----------------------------------------------------------------------|
| <b>Acute dermal toxicity</b> | : No data available                                                  |
|                              | Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method |

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**Skin irritation** : May irritate skin.  
May cause skin irritation and/or dermatitis.

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**Eye irritation** : Product dust may be irritating to eyes, skin and respiratory system.

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**Sensitization** : Causes sensitization.

**Repeated dose toxicity**

Methyl ester of sulfonated tannin : Species: Rat, male  
Sex: male  
Application Route: oral gavage  
Dose: 100, 300, 1000 mg/kg  
Exposure time: 32 d  
Number of exposures: Daily  
NOEL: 1,000 mg/kg  
Method: OECD Guideline 422  
No adverse effects expected

Species: Rat, female  
Sex: female  
Application Route: oral gavage  
Dose: 100, 300, 1000 mg/kg  
Exposure time: 39 - 47 d  
Number of exposures: Daily  
NOEL: 1,000 mg/kg  
Method: OECD Guideline 422  
No adverse effects expected

Stannous Sulfate : Species: Rat  
Application Route: Inhalation  
Exposure time: 28  
NOEL: 0.00919 mg/kg  
Method: OECD Test Guideline 412  
Target Organs: respiratory tract irritation

**Genotoxicity in vitro**

Methyl ester of sulfonated tannin : Test Type: Chromosome aberration test in vitro  
Metabolic activation: with and without metabolic activation  
Method: OECD Guideline 473  
Result: negative

**Reproductive toxicity**

Methyl ester of sulfonated tannin : Species: Rat  
Sex: male  
Application Route: oral gavage  
Dose: 100, 300, 1000 mg/kg  
Exposure time: 32 d  
Number of exposures: Daily  
Method: OECD Guideline 422  
NOAEL Parent: 1,000 mg/kg

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Fertility and developmental toxicity tests did not reveal any effect on reproduction.

Species: Rat

Sex: female

Application Route: oral gavage

Dose: 100, 300, 1000 mg/kg

Exposure time: 39 - 47 d

Number of exposures: Daily

Method: OECD Guideline 422

NOAEL Parent: 1,000 mg/kg

NOAEL F1: 1,000 mg/kg

Fertility and developmental toxicity tests did not reveal any effect on reproduction.

**CMR effects**

Crystalline Silica : Carcinogenicity: Human carcinogen.

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**Further information** : No data available.

**SECTION 12: Ecological information****Toxicity to fish**

Methyl ester of sulfonated tannin : LL50: > 1,800 mg/l  
Exposure time: 96 h  
Species: *Scophthalmus maximus* (Flatfish, Flounder)  
Method: OECD Test Guideline 203

Stannous Sulfate > 0.0625 mg/l  
Exposure time: 96 h  
Species: *Cyprinodon variegatus* (sheepshead minnow)  
static test Method: OECD Test Guideline 203

**Toxicity to daphnia and other aquatic invertebrates**

Methyl ester of sulfonated tannin : EL50: 73.2 mg/l  
Exposure time: 48 h  
Species: *Acartia tonsa* (Marine Copepod)  
Method: ISO TC147/SC5/WG2

Stannous Sulfate EC50: 230 mg/l  
Species: *Acartia tonsa* (Marine Copepod)  
Method: ISO TC147/SC5/WG2

**Toxicity to algae**

Methyl ester of sulfonated tannin : ErC50: > 100 mg/l  
Exposure time: 72 h  
Species: *Desmodesmus subspicatus* (green algae)  
Method: OECD Test Guideline 201

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|                                                         |                                                                                                                                                       |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                         | EbC50: 79 mg/l<br>Exposure time: 72 h<br>Species: Desmodesmus subspicatus (green algae)<br>Method: OECD Test Guideline 201                            |
| Stannous Sulfate                                        | EC50: 0.55 mg/l<br>Exposure time: 72 h<br>Species: Skeletonema costatum (Marine Algae)<br>Method: ISO 10253                                           |
| M-Factor<br>tin sulphate                                | : M-Factor (Acute Aquat. Tox.) 1                                                                                                                      |
| Biodegradability                                        | : This material is not expected to be readily biodegradable.                                                                                          |
| Elimination information (persistence and degradability) |                                                                                                                                                       |
| Bioaccumulation                                         |                                                                                                                                                       |
| Methyl ester of sulfonated<br>tannin                    | : This material is not expected to bioaccumulate.                                                                                                     |
| Stannous Sulfate                                        | : This material is not expected to bioaccumulate.                                                                                                     |
| Mobility                                                |                                                                                                                                                       |
| Methyl ester of sulfonated<br>tannin                    | : No data available                                                                                                                                   |
| Stannous Sulfate                                        | : No data available                                                                                                                                   |
| Additional ecological<br>information                    | : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects. |
| Ecotoxicology Assessment                                |                                                                                                                                                       |
| Short-term (acute) aquatic hazard                       |                                                                                                                                                       |
| Methyl ester of sulfonated<br>tannin                    | : Harmful to aquatic life.                                                                                                                            |
| Stannous Sulfate                                        | : Very toxic to aquatic life.                                                                                                                         |
| Long-term (chronic) aquatic hazard                      |                                                                                                                                                       |
| Methyl ester of sulfonated<br>tannin                    | : Harmful to aquatic life with long lasting effects.                                                                                                  |
| Stannous Sulfate                                        | : Very toxic to aquatic life with long lasting effects.                                                                                               |

SECTION 13: Disposal considerations

The information in this SDS pertains only to the product as shipped.

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Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product : The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

**SECTION 14: Transport information**

**The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).**

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

**US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

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**Maritime transport in bulk according to IMO instruments****SECTION 15: Regulatory information****National legislation**

**SARA 311/312 Hazards** : Respiratory or skin sensitization  
Carcinogenicity  
Specific target organ toxicity (single or repeated exposure)

**CERCLA Reportable Quantity** : Listed substances in the product are at low enough levels to not be expected to exceed the RQ

Acrylamide  
Quinoline  
Formaldehyde  
Naphthalene

**SARA 302 Reportable Quantity** : Listed substances in the product are at low enough levels to not be expected to exceed the RQ

Acrylamide  
Formaldehyde

**SARA 302 Threshold Planning Quantity** : This material does not contain any components with a section 302 EHS TPQ.

**SARA 304 Reportable Quantity** : Listed substances in the product are at low enough levels to not be expected to exceed the RQ

Acrylamide 79-06-1 5000 lbs  
Formaldehyde 50-00-0 100 lbs

**SARA 313 Components** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

**Ozone-Depletion Potential** : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

**California Prop. 65  
Components**

: WARNING: This product can expose you to chemicals including [listed below], which is [are] known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov/food](http://www.P65Warnings.ca.gov/food).

|                    |            |
|--------------------|------------|
| Crystalline Silica | 14808-60-7 |
| Acrylamide         | 79-06-1    |
| Quinoline          | 91-22-5    |
| Formaldehyde       | 50-00-0    |
| Naphthalene        | 91-20-3    |

WARNING: This product can expose you to chemicals including [listed below], which is [are] known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

|            |         |
|------------|---------|
| Acrylamide | 79-06-1 |
|------------|---------|

**Notification status**

|                                     |                                                                                                                                                                                                                                                                  |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Europe EU REACH                     | : A substance or substances in this product is not registered or notified to be registered. Importation or manufacture of this product is still permitted provided that it does not exceed the REACH minimum threshold quantity of the non-regulated substances. |
| Switzerland CH INV                  | : Not in compliance with the inventory                                                                                                                                                                                                                           |
| United States of America (USA) TSCA | : All substances listed as active on the TSCA inventory                                                                                                                                                                                                          |
| Canada DSL                          | : This product contains one or several components that are not on the Canadian DSL nor NDSL.                                                                                                                                                                     |
| Australia AU AIIC                   | : Not in compliance with the inventory                                                                                                                                                                                                                           |
| New Zealand NZIoC                   | : Not in compliance with the inventory                                                                                                                                                                                                                           |
| Japan ENCS                          | : Not in compliance with the inventory                                                                                                                                                                                                                           |
| Japan ISHL                          | : Not in compliance with the inventory                                                                                                                                                                                                                           |
| Korea KECI                          | : A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations.                                                                                                        |
| Philippines PICCS                   | : Not in compliance with the inventory                                                                                                                                                                                                                           |
| China IECSC                         | : Not in compliance with the inventory                                                                                                                                                                                                                           |
| Taiwan TW TCSI                      | : Not in compliance with the inventory                                                                                                                                                                                                                           |
| Other TECI                          | : Not in compliance with the inventory                                                                                                                                                                                                                           |

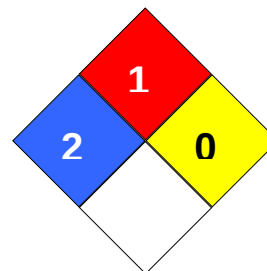
**Diacel® Adjustable Spacer Viscosifier**

Version 2.4

Revision Date 2026-08-31

**SECTION 16: Other information**

**NFPA Classification** : Health Hazard: 2  
Fire Hazard: 1  
Reactivity Hazard: 0



**Revision Date** : 2026-08-31  
**Date of last issue** : 2021-10-28

Print Date : 2026-09-10

**Further information**

Legacy SDS Number : CPC00418

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

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.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

|        |                                                         |       |                                                         |
|--------|---------------------------------------------------------|-------|---------------------------------------------------------|
| ACGIH  | American Conference of Government Industrial Hygienists | LD50  | Lethal Dose 50%                                         |
| AiIC   | Australian Inventory of Industrial Chemicals            | LOAEL | Lowest Observed Adverse Effect Level                    |
| DSL    | Canada, Domestic Substances List                        | NFPA  | National Fire Protection Agency                         |
| NDSL   | Canada, Non-Domestic Substances List                    | NIOSH | National Institute for Occupational Safety & Health     |
| CNS    | Central Nervous System                                  | NTP   | National Toxicology Program                             |
| CAS    | Chemical Abstract Service                               | NZIoC | New Zealand Inventory of Chemicals                      |
| EC50   | Effective Concentration                                 | NOAEL | No Observable Adverse Effect Level                      |
| EC50   | Effective Concentration 50%                             | NOEC  | No Observed Effect Concentration                        |
| EGEST  | EOSCA Generic Exposure Scenario Tool                    | OSHA  | Occupational Safety & Health Administration             |
| EOSCA  | European Oilfield Specialty Chemicals Association       | PEL   | Permissible Exposure Limit                              |
| EINECS | European Inventory of Existing Chemical Substances      | PICCS | Philippines Inventory of Commercial Chemical Substances |
| MAK    | Germany Maximum Concentration Values                    | PRNT  | Presumed Not Toxic                                      |
| GHS    | Globally Harmonized System                              | RCRA  | Resource Conservation Recovery Act                      |

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|       |                                                          |       |                                                                                      |
|-------|----------------------------------------------------------|-------|--------------------------------------------------------------------------------------|
| >=    | Greater Than or Equal To                                 | STEL  | Short-term Exposure Limit                                                            |
| IC50  | Inhibition Concentration 50%                             | SARA  | Superfund Amendments and Reauthorization Act.                                        |
| IARC  | International Agency for Research on Cancer              | TLV   | Threshold Limit Value                                                                |
| IECSC | Inventory of Existing Chemical Substances in China       | TWA   | Time Weighted Average                                                                |
| ENCS  | Japan, Inventory of Existing and New Chemical Substances | TSCA  | Toxic Substance Control Act                                                          |
| KECI  | Korea, Existing Chemical Inventory                       | UVCB  | Unknown or Variable Composition, Complex Reaction Products, and Biological Materials |
| <=    | Less Than or Equal To                                    | WHMIS | Workplace Hazardous Materials Information System                                     |
| LC50  | Lethal Concentration 50%                                 | ATE   | Acute toxicity estimate                                                              |