

SUN BURST DP®

SECTION 1. IDENTIFICATION

Product Identifier SUN BURST DP®
Product Family Lubricant
Recommended Use Drilling Fluid Additive.
Supplier Identifier Bri-Chem Supply Ltd., Bay 4, 5510 - 3rd Street SE, Calgary, Alberta, T2H 1J9, Bri-Chem Supply, 403-252-5904, www.brichemsupply.com
Emergency Phone No. ChemTrec, (800) 424-9300, 24/7

SECTION 2. HAZARD IDENTIFICATION

Classification

Eye irritation - Category 2A; Carcinogenicity - Category 1A

Label Elements



Signal Word:

Danger

Hazard Statement(s):

Causes serious eye irritation.

May cause cancer.

Precautionary Statement(s):

Prevention:

Do not handle until all safety precautions have been read and understood.

Wash hands and skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice or attention.

IF exposed or concerned: Get medical advice or attention.

Storage:

Store locked up.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Polystyrene Sulphonic Acid	69011-20-7	50-60		
Mixture of C16-C18 Methyl Esters from Vegetable Oils		5-15		

Product Identifier: SUN BURST DP® - Ver. 1

SDS No.: 1594

Date of Preparation: December 29, 2020

Date of Last Revision:

Page 01 of 05

Graphite, contains <0.1% Respirable Silica Quatz	7782-42-5	1-2		
Diatomaceous Earth, Natural, contains <1% Silica, Quartz	61790-53-2	0.25-05		
Talcum Powder contains <1% Silica, Quartz	14807-96-6	0.1-0.25		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. If breathing difficulties or distress continues, obtain medical attention.

Skin Contact

Immediately wash thoroughly with soap and plenty of water. If irritation occurs and/or persists, seek medical attention.

Eye Contact

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water fog, foam, dry chemical powder, carbon dioxide (CO₂).

Unsuitable Extinguishing Media

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

Specific Hazards Arising from the Product

During fire, gases hazardous to health may be formed.

Special Protective Equipment and Precautions for Fire-fighters

Use NIOSH-approved self-contained breathing apparatus and other protective equipment if conditions warrant.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Stop or reduce leak if safe to do so. Collect dust using a vacuum cleaner equipped with HEPA filter.

SECTION 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. Minimize dust generation and accumulation. Provide appropriate exhaust ventilation for operations/locations where dust is formed. Do not breathe dust. Avoid prolonged exposure. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Observe good industrial practices.

Conditions for Safe Storage

Store in a cool, dry, well ventilated place. Keep container tightly closed and away from incompatible materials.

Product Identifier: SUN BURST DP® - Ver. 1

SDS No.: 1594

Date of Preparation: December 29, 2020

Date of Last Revision:

Page 02 of 05

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Silica Crystalline-alpha Quartz (14808-60-7, 1317-95-9) and Cristobalite (14464-46-1)

ACGIH TLV, TWA: 0.025 mg/m³ respirable fraction

Diatomaceous Earth

OSHA PEL: 5 mg/m³ respirable dust; 15 mg/m³ total dust

ACGIH® = American Conference of Governmental Industrial Hygienists.

TLV® = Threshold Limit Value.

TWA = Time-Weighted Average.

OSHA = US Occupational Safety and Health Administration.

PEL = Permissible Exposure Limits.

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. If engineering measures are not sufficient to maintain concentrations of dust particulates below Occupational Exposure Limit (OEL), suitable respiratory protection must be worn.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Chemical-resistant clothing is recommended including gloves and apron.

Respiratory Protection

A NIOSH-approved dust respirator is recommended.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Grey - black Granules. Particle Size: Not available
Odour	Mild
Odour Threshold	Not available
pH	Neutral
Melting Point/Freezing Point	Not applicable (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not applicable
Flash Point	> 200 °F
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	Not available
Solubility	Insoluble in water; Insoluble in common organic solvents.
Decomposition Temperature	Not available
Other Information	
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	Not available
Other Physical Property 1	Density: 50 lbs/ft ³
Other Physical Property 2	Specific Gravity: 1.25-1.32

SECTION 10. STABILITY AND REACTIVITY

Product Identifier: SUN BURST DP® - Ver. 1

SDS No.: 1594

Date of Preparation: December 29, 2020

Date of Last Revision:

Page 03 of 05

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Incompatible Materials

Strong oxidizing agents. Phosphorus, maleic anhydride, nitroethane, fluorine, nitromethane, nitropraffins, chlorine, nitropropane.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Skin contact; eye contact; inhalation; ingestion.

Skin Corrosion/Irritation

Dust or powder may irritate the skin.

Serious Eye Damage/Irritation

May cause severe irritation to the eyes.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Dust may irritate respiratory system.

Ingestion

Expected to be a low ingestion hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Prolonged or repeated exposure to excessive concentrations of this product's dust containing <0.3% quartz, or any nuisance dust, can cause pulmonary disease. Long term exposure may cause silicosis.

Respiratory and/or Skin Sensitization

Not a respirator/skin sensitizer.

Carcinogenicity

Can cause cancer.

No information was located for: Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Not hazardous to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with federal, provincial and local government regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Product Identifier: SUN BURST DP® - Ver. 1

SDS No.: 1594

Date of Preparation: December 29, 2020

Date of Last Revision:

Page 04 of 05

Safety, Health and Environmental Regulations

Canada

WHMIS 1988 Classification

Not a WHMIS controlled product.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

SECTION 16. OTHER INFORMATION

SDS Prepared By Bri-Chem Supply Ltd

Phone No. (403) 252-5904

Date of Preparation December 29, 2020

Disclaimer This Health and Safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as guidance for safe handling, storage, and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

Product Identifier: SUN BURST DP® - Ver. 1

SDS No.: 1594

Date of Preparation: December 29, 2020

Date of Last Revision:

Page 05 of 05