

# Safety Data Sheet

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Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Clean Flo Powdered Cleanser

### Other means of identification

**SDS #** BDP-001

**Product Code** CFP-1 and CFP-25

### Recommended use of the chemical and restrictions on use

**Recommended Use** Draft line cleaner.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

BDP Innovative Chemicals  
4393 Virginia Dr.  
Orlando, FL 32814

### Emergency Telephone Number

**Company Phone Number** 407-927-3960

**Emergency Telephone (24 hr)** Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** White to off-white powder

**Physical State** Powder

**Odor** acrid

### Classification

Acute toxicity - Inhalation (Dusts/Mists)

Category 4

Serious eye damage/eye irritation

Category 2

### Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed

### Signal Word

Warning

### Hazard Statements

Harmful if inhaled

Causes serious eye irritation



### Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Wash face, hands and any exposed skin thoroughly after handling

Wear eye/face protection

**Precautionary Statements - 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/attention  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a poison center or doctor/physician if you feel unwell

**Unknown Acute Toxicity**

60% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium Percarbonate	4452-58-8	50-60
Sodium carbonate	497-19-8	35-45
Chlorine Capped Ethoxylated Alcohols	61702-77-0	<5
Proprietary Surfactant	Proprietary	<1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	Flush skin with plenty of water for at least 15 minutes, remove any contaminated clothing. Seek immediate medical attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Call a poison center or doctor/physician if you feel unwell.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth. Immediately give 3-4 glasses of milk, egg whites or gelatin solution (if none, give water for dilution). Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If swallowed, get medical attention if symptoms occur.

**Most important symptoms and effects**

<b>Symptoms</b>	May be harmful if swallowed. Harmful if inhaled. Causes serious eye irritation. Principally nuisance dust and mild irritant to eyes, mucous membranes, and respiratory system. Depending on the duration of skin exposure, skin reddening or discomfort may result.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water spray (fog). Foam. Halon. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Any "ABC" class.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Hazardous Combustion Products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Sodium oxides. Hydrogen chloride. Phosphorus oxides.

**Sensitivity to Static Discharge** Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental Precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Neutralize by adding diluted solutions of any of the following acids: Vinegar, citric acid, muriatic acid. Absorb product onto porous material such as sand, diatomaceous earth or commercial absorbent material. Shovel up into leak proof containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash face, hands, and any exposed skin thoroughly after handling. Wear eye/face protection. Remove contaminated clothing and shoes. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from direct sunlight. Keep away from heat. Keep from freezing. Store away from incompatible materials. Store in a corrosion-proof area. Empty containers retain product residues.

**Incompatible Materials** Strong acids. Oxidizers. Aluminum. Fluorine. Sulfuric acid. Zinc. Hydrogen peroxide. Phosphorus pentoxide. Lithium. 2,4-Dinitrotoluene. 2,4,6-trinitrotoluene.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** Exposure guidelines / protective equipment are for routine handling and accidental spills

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
<b>Skin and Body Protection</b>	Wear protective gloves and protective clothing.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical State</b>	Powder	<b>Odor</b>	acid
<b>Appearance</b>	White to off-white powder	<b>Odor Threshold</b>	Not Established
<b>Color</b>	White to off white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	11	
<b>Melting Point/Freezing Point</b>	Not applicable	
<b>Boiling Point/Boiling Range</b>	Not applicable	
<b>Flash Point</b>	Not flammable	
<b>Evaporation Rate</b>	Not applicable	
<b>Flammability (Solid, Gas)</b>	Not determined	
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	Not applicable	
<b>Vapor Density</b>	Not applicable	
<b>Specific Gravity</b>	Not determined	
<b>Water Solubility</b>	Not determined	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not established	
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	
<b>Bulk Density</b>	1.6706 g/cm <sup>3</sup>	

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization** Under normal conditions of storage and use, hazardous polymerization will not occur.

**Conditions to Avoid**

Incompatible Materials. Heat. Keep from freezing.

**Incompatible Materials**

Strong acids. Oxidizers. Aluminum. Fluorine. Sulfuric acid. Zinc. Hydrogen peroxide. Phosphorus pentoxide. Lithium. 2,4-Dinitrotoluene. 2,4,6-trinitrotoluene.

**Hazardous Decomposition Products**

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Sodium oxides. Hydrogen chloride. Phosphorous oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

**Eye Contact** Causes serious eye irritation.

**Skin Contact** Avoid contact with skin.

**Inhalation** Harmful if inhaled.

**Ingestion** May be harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate 497-19-8	= 4090 mg/kg ( Rat )	-	-

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

**Unknown Acute Toxicity** 60% of the mixture consists of ingredient(s) of unknown toxicity.

## 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.

60% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static		265: 48 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Sodium carbonate 497-19-8	Corrosive

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION****International Inventories****TSCA**

Listed

**DSL**

Listed

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List***US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**US State Regulations****U.S. State Right-to-Know Regulations**

Not determined

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	1	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	1	0	Not determined

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**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 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.

**End of Safety Data Sheet**