



# Safety Data Sheet

Issue Date: 10-May-2017

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Version 2

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Pain-Free™ F, Pain-Free™ Gel

### Other means of identification

**SDS #** S391, S384

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

**Recommended Use** Dentinal Desensitizer.

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

#### **Supplier Address**

Parkell, Inc.  
300 Executive Drive  
Edgewood, NY 11717

### Emergency Telephone Number

**Company Phone Number** (631) 249-1134  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Whitish, aqueous, emulsion      **Physical State** Liquid (F)   Gel (Gel)      **Odor** No odor

### Classification

|                                   |            |
|-----------------------------------|------------|
| Skin corrosion/irritation         | Category 2 |
| Serious eye damage/eye irritation | Category 2 |

### Signal Word

**Warning**

### Hazard Statements

Causes skin irritation  
Causes serious eye irritation



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/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  
Get medical attention

IF ON SKIN: Wash with plenty of soap and water  
Take off contaminated clothing and wash it before reuse  
If skin irritation occurs: Get medical advice/attention

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name   | CAS No    | Weight-%    |
|-----------------|-----------|-------------|
| Sodium fluoride | 7681-49-4 | Proprietary |

\*\*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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention. |
| <b>Skin Contact</b> | Wash skin with soap and water. Take off contaminated clothing and wash it before reuse. Get medical attention if irritation occurs.         |
| <b>Inhalation</b>   | Remove to fresh air.  |
| <b>Ingestion</b>    | Give several glasses of water or milk to drink. Get medical attention.  |

**Most important symptoms and effects**

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Causes skin irritation. Causes serious eye irritation. Ingestion may cause headache, dizziness, nausea, tinnitus, or shock. |
|-----------------|---|

**Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Combustion products may be toxic.

**Hazardous Combustion Products** Carbon monoxide.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- Personal Precautions** Use personal protection recommended in Section 8.
- Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

### 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** Contain and collect with an inert absorbent and place into an appropriate container for disposal. Do not release into sewers or waterways.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

- Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Protect container from physical damage.

### Conditions for safe storage, including any incompatibilities

- Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from alkalis and direct sunlight. Do NOT store above 40°C (104°F).
- Incompatible Materials** Metals such as silver, iron, calcium, and their compounds. Strong bases. Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name                | ACGIH TLV                    | OSHA PEL  | NIOSH IDLH  |
|------------------------------|------------------------------|---|---|
| Sodium fluoride<br>7681-49-4 | TWA: 2.5 mg/m <sup>3</sup> F | TWA: 2.5 mg/m <sup>3</sup> F<br>TWA: 2.5 mg/m <sup>3</sup> dust<br>(vacated) TWA: 2.5 mg/m <sup>3</sup> | IDLH: 250 mg/m <sup>3</sup> F<br>TWA: 2.5 mg/m <sup>3</sup> F |

### Appropriate engineering controls

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

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

- Eye/Face Protection** Safety glasses.
- Skin and Body Protection** Impervious protective gloves.
- Respiratory Protection** No protection is ordinarily required under normal conditions of use and with adequate ventilation.

- General Hygiene Considerations** 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> | Liquid (F)    Gel (Gel)   | <b>Odor</b>           | No odor        |
| <b>Appearance</b>     | Whitish, aqueous emulsion | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Whitish                   |                       |                |

| Property                            | Values                           | Remarks • Method |
|-------------------------------------|----------------------------------|------------------|
| <b>pH</b>                           | Approx. 1                        |                  |
| <b>Melting Point/Freezing Point</b> | Not determined                   |                  |
| <b>Boiling Point/Boiling Range</b>  | 100 °C / 212 °F                  |                  |
| <b>Flash Point</b>                  | Not flammable                    |                  |
| <b>Evaporation Rate</b>             | Unknown                          |                  |
| <b>Flammability (Solid, Gas)</b>    | Liquid-not applicable            |                  |
| <b>Upper Flammability Limits</b>    | Not established                  |                  |
| <b>Lower Flammability Limit</b>     | Not established                  |                  |
| <b>Vapor Pressure</b>               | Unknown                          |                  |
| <b>Vapor Density</b>                | Unknown                          |                  |
| <b>Specific Gravity</b>             | Approx. 1                        | (Water = 1)      |
| <b>Water Solubility</b>             | Miscible with water at any ratio |                  |
| <b>Solubility in other solvents</b> | Not determined                   |                  |
| <b>Partition Coefficient</b>        | Not determined                   |                  |
| <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                   |                  |

## 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.

|                                 |  |
|---------------------------------|--|
| <b>Hazardous Polymerization</b> | Hazardous polymerization does not occur. |
|---------------------------------|--|

### Conditions to Avoid

Avoid temperatures above 30°C (86°F), temperatures below 1°C (33.8°F), and direct sunlight. Keep separated from incompatible substances. Keep out of reach of children.

### Incompatible Materials

Metals such as silver, iron, calcium, and their compounds. Strong bases. Strong oxidizing agents.

### Hazardous Decomposition Products

Carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |                                  |
|---------------------|----------------------------------|
| <b>Eye Contact</b>  | Causes serious eye irritation.   |
| <b>Skin Contact</b> | Causes skin irritation.          |
| <b>Inhalation</b>   | Avoid breathing vapors or mists. |
| <b>Ingestion</b>    | Do not ingest.                   |

### Component Information

| Chemical Name                | Oral LD50          | Dermal LD50         | Inhalation LC50 |
|------------------------------|--------------------|---------------------|-----------------|
| Sodium fluoride<br>7681-49-4 | = 52 mg/kg ( Rat ) | = 175 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** Group 3 IARC components are "not classifiable as human carcinogens".

| Chemical Name                | ACGIH | IARC    | NTP | OSHA |
|------------------------------|-------|---------|-----|------|
| Sodium fluoride<br>7681-49-4 |       | Group 3 |     | X    |

#### Legend

*IARC (International Agency for Research on Cancer)*

*Group 3 IARC components are "not classifiable as human carcinogens"*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

### Numerical measures of toxicity

Not determined

## 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.

### Component Information

| Chemical Name                | Algae/aquatic plants  | Fish   | Toxicity to microorganisms | Crustacea   |
|------------------------------|---|--|----------------------------|---|
| Sodium fluoride<br>7681-49-4 | 272: 96 h<br>Pseudokirchneriella<br>subcapitata mg/L EC50 850:<br>72 h Desmodesmus<br>subspicatus mg/L EC50<br>static | 530: 96 h Lepomis<br>macrochirus mg/L LC50 830:<br>96 h Lepomis macrochirus<br>mg/L LC50 semi-static 38 -<br>68: 96 h Oncorhynchus<br>mykiss mg/L LC50 static<br>180: 96 h Pimephales<br>promelas mg/L LC50<br>semi-static |                            | 338: 48 h Daphnia magna<br>mg/L EC50 98: 48 h Daphnia<br>magna mg/L EC50 Static |

**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 fluoride<br>7681-49-4 | Toxic                             |

**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**

| Chemical Name   | TSCA    | DSL | NDSL | EINECS  | ELINCS | ENCS    | IECSC | KECL    | PICCS | AICS |
|-----------------|---------|-----|------|---------|--------|---------|-------|---------|-------|------|
| Sodium fluoride | Present | X   |      | Present |        | Present | X     | Present | X     | X    |

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations**

**CERCLA**

| Chemical Name                | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                  |
|------------------------------|--------------------------|----------------|---|
| Sodium fluoride<br>7681-49-4 | 1000 lb                  |                | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**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

**CWA (Clean Water Act)**

| Chemical Name   | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium fluoride | 1000 lb                     |                        |                           | X                          |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

| Chemical Name                | New Jersey | Massachusetts | Pennsylvania |
|------------------------------|------------|---------------|--------------|
| Oxalic acid<br>6153-56-6     |            |               | X            |
| Sodium fluoride<br>7681-49-4 | X          | X             | X            |

**16. OTHER INFORMATION**

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