


**Fisher Scientific**

Part of Thermo Fisher Scientific

**MATERIAL SAFETY DATA SHEET**
**Section 1 - Chemical Product and Company Identification**

**MSDS Name:** Sparkleen 1  
**Catalog Numbers:** 04-320-4, 04-320-5, S701101  
**Synonyms:** FisherBrand Sparkleen 1 Detergent.  
**Company Identification:** Fisher Scientific  
 One Reagent Lane  
 Fair Lawn, NJ 07410  
**For information in the US, call:** 201-796-7100  
**Emergency Number US:** 201-796-7100  
**CHEMTREC Phone Number, US:** 800-424-9300

**Section 2 - Composition, Information on Ingredients**

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**Risk Phrases:**

**CAS#:** 497-19-8  
**Chemical Name:** Sodium carbonate  
 anhydrous  
**%:** < 30  
**EINECS#:** 207-838-8  
**Hazard Symbols:**

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**Risk Phrases:**

**CAS#:** 9016-45-9  
**Chemical Name:** Ethylene oxide-nonylphenol  
 polymer  
**%:** < 10  
**EINECS#:** unlisted  
**Hazard Symbols:**

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Risk Phrases:

CAS#: 25155-30-0  
 Chemical Name: Sodium  
 dodecylbenzenesulfonate  
 %: < 10  
 EINECS#: 246-680-4  
 Hazard Symbols:

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Text for R-phrases: see Section 16

**Hazard Symbols:** None listed

**Risk Phrases:** None listed

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Danger! Causes eye burns. May be harmful if swallowed. Causes skin and respiratory tract irritation. Target Organs: Respiratory system, eyes, skin.

#### Potential Health Effects

**Eye:** Contact with eyes may cause severe irritation, and possible eye burns.  
**Skin:** Contact with skin causes irritation and possible burns, especially if the skin is wet or moist.  
**Ingestion:** May cause severe digestive tract irritation with abdominal pain, nausea, vomiting and diarrhea. May be harmful if swallowed.  
**Inhalation:** Causes respiratory tract irritation.  
**Chronic:** Repeated or prolonged exposure contact with concentrated solutions causes tissue damage and ulceration.

### Section 4 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.  
**Skin:** Get medical aid immediately. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.  
**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.  
**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

#### Notes to Physician:

### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.  
**Extinguishing Media:** Use extinguishing media most appropriate for the surrounding fire.  
**Autoignition Temperature:** Not available.  
**Flash Point:** Not available  
**Explosion Limits: Lower:** Not available  
**Explosion Limits: Upper:** Not available

**NFPA Rating:** health: 3; flammability: 1; instability: 0;

### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

### Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Discard contaminated shoes.

**Storage:** Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

### Section 8 - Exposure Controls, Personal Protection

#### Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

#### Exposure Limits

#### Personal Protective Equipment

**Eyes:** Wear chemical splash goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

### Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Color:** white

**Odor:** odorless

**pH:** 9.5-10 in solution.

**Vapor Pressure:** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** Not available

**Boiling Point:** Not available

**Freezing/Melting Point:** Not available

**Decomposition Temperature:** Not available

**Solubility in water:** Moderately soluble in water.

**Specific Gravity/Density:** Not available.

**Molecular Formula:** Mixture

**Molecular Weight:** 0

### Section 10 - Stability and Reactivity

<b>Chemical Stability:</b>	Stable.
<b>Conditions to Avoid:</b>	Dust generation.
<b>Incompatibilities with Other Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide, sulfur oxides (SOx), including sulfur oxide and sulfur dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

### Section 11 - Toxicological Information

**RTECS#:** CAS# 497-19-8: VZ4050000  
CAS# 9016-45-9: AX0247000 AX0257000 MD0900000 MD0905000 OQ0248333 WZ4200000 WZ4375000 WZ4550000 WZ4725000 WZ4750000  
CAS# 25155-30-0: DB6825000

**LD50/LC50:** RTECS:  
**CAS# 497-19-8:** Draize test, rabbit, eye: 100 mg/24H Moderate;  
Draize test, rabbit, eye: 50 mg Severe;  
Draize test, rabbit, skin: 500 mg/24H Mild;  
Inhalation, mouse: LC50 = 1200 mg/m<sup>3</sup>/2H;  
Inhalation, rat: LC50 = 2300 mg/m<sup>3</sup>/2H;  
Oral, mouse: LD50 = 6600 mg/kg;  
Oral, mouse: LD50 = 6600 mg/kg;  
Oral, rat: LD50 = 4090 mg/kg;

RTECS:  
**CAS# 9016-45-9:** Draize test, rabbit, eye: 5 mg Severe;  
Draize test, rabbit, eye: 5 mg Severe;  
Draize test, rabbit, eye: 20 mg Severe;  
Draize test, rabbit, eye: 100 mg Severe;  
Draize test, rabbit, eye: 15 mg Severe;  
Draize test, rabbit, eye: 5 mg Severe;  
Oral, mouse: LD50 = >50 gm/kg;  
Oral, rat: LD50 = 4 gm/kg;  
Oral, rat: LD50 = 1310 mg/kg;  
Oral, rat: LD50 = 2590 uL/kg;  
Oral, rat: LD50 = >3 gm/kg;  
Oral, rat: LD50 = 4290 uL/kg;  
Oral, rat: LD50 = 3670 uL/kg;  
Oral, rat: LD50 = 3730 uL/kg;  
Oral, rat: LD50 = 4 gm/kg;  
Oral, rat: LD50 = 16 gm/kg;  
Skin, rabbit: LD50 = 2 mL/kg;  
Skin, rabbit: LD50 = 2830 uL/kg;  
Skin, rabbit: LD50 = 2520 uL/kg;  
Skin, rabbit: LD50 = 1780 uL/kg;  
Skin, rabbit: LD50 = 3970 uL/kg;  
Skin, rabbit: LD50 = 4490 uL/kg;

RTECS:  
**CAS# 25155-30-0:** Draize test, rabbit, eye: 250 ug/24H Severe;  
Draize test, rabbit, eye: 1% Severe;  
Draize test, rabbit, skin: 20 mg/24H Moderate;  
Oral, mouse: LD50 = 1330 mg/kg;  
Oral, rat: LD50 = 438 mg/kg;

**Carcinogenicity:** Sodium carbonate anhydrous - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
Ethylene oxide-nonylphenol polymer - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
Sodium dodecylbenzenesulfonate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

**Other:** See actual entry in RTECS for complete information.

**Section 12 - Ecological Information**

Not available

**Section 13 - Disposal Considerations**

Dispose of in a manner consistent with federal, state, and local regulations.

**Section 14 - Transport Information**

US DOT  
Shipping Name: Not regulated as a hazardous material  
Hazard Class:  
UN Number:  
Packing Group:  
Canada TDG  
Shipping Name: Not available  
Hazard Class:  
UN Number:  
Packing Group:

USA RQ: CAS# 25155-30-0: 1000 lb final RQ; 454 kg final RQ

**Section 15 - Regulatory Information**

**European/International Regulations**

European Labeling in Accordance with EC Directives

Hazard Symbols:Not available

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 497-19-8: 1  
CAS# 9016-45-9: 2  
CAS# 25155-30-0: 2

Canada

CAS# 497-19-8 is listed on Canada's DSL List

CAS# 9016-45-9 is listed on Canada's DSL List

CAS# 25155-30-0 is listed on Canada's DSL List

Canadian WHMIS Classifications: D2B

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

CAS# 497-19-8 is listed on Canada's Ingredient Disclosure List

CAS# 9016-45-9 is not listed on Canada's Ingredient Disclosure List.

CAS# 25155-30-0 is listed on Canada's Ingredient Disclosure List

## US Federal

### TSCA

CAS# 497-19-8 is listed on the TSCA Inventory.

CAS# 9016-45-9 is listed on the TSCA Inventory.

CAS# 25155-30-0 is listed on the TSCA Inventory.

## Section 16 - Other Information

**MSDS Creation Date:** 7/12/1999

**Revision #4 Date** 3/22/2006

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.