

**** MATERIAL SAFETY DATA SHEET ****

Sparkleen I
87000

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: Sparkleen I
Catalog Numbers:
043204, 043205, S701101
Synonyms:
Fisher-Brand Sparkleen I, 04-320-4, 04-320-5
Company Identification: Fisher Scientific
1 Reagent Lane
Fairlawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#
497-19-8	Sodium carbonate	< 30	207-838-8
9016-45-9	Ethylene oxide-nonylphenol polymer	< 10	unlisted
25155-30-0	Sodium dodecylbenzenesulfonate	< 10	246-680-4
not avail.	Non-hazardous ingredients	> 1	unlisted

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Appearance: white.
Warning: May be harmful if swallowed. Eye contact may result in permanent eye damage. May cause severe eye and skin irritation with possible burns. May cause respiratory and digestive tract irritation.
Target Organs: None.

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: May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. If heated, dust or fume may cause 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 soap and 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 to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

**** 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.

**** 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:
Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sodium carbonate	none listed	none listed	none listed
Ethylene oxide-nonylphenol polymer	none listed	none listed	none listed
Sodium dodecylbenzenesulfonate	none listed	none listed	none listed

OSHA Vacated PELs:

Sodium carbonate:
No OSHA Vacated PELs are listed for this chemical.
Ethylene oxide-nonylphenol polymer:
No OSHA Vacated PELs are listed for this chemical.
Sodium dodecylbenzenesulfonate:
No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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 a respirator's use.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Solid
Appearance: 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.
Autoignition Temperature: Not available.
Flash Point: Not available.
NFPA Rating: Not published.
Explosion Limits, Lower: Not available.
Upper: Not available.
Decomposition Temperature: Not available.

DATE: 10/16/00
INDEX: D02864678

ACCT: 888235001
CAT NO: 043204

PAGE: 3
PC NBR: 7755

Solubility: Moderately soluble in water.
Specific Gravity/Density: Not available.
Molecular Formula: Mixture
Molecular Weight: 0

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:
Stable.

Conditions to Avoid:

Incompatible materials.

Incompatibilities with Other Materials:

Ammonia and silver nitrate, dinitrotoluene, trinitrotoluene, sulfuric acid, phosphorous pentoxide, sodium sulfide and water, hydrogen peroxide.

Hazardous Decomposition Products:

Sulfur dioxide, carbon monoxide, carbon dioxide, sulfur oxides (SOx), including sulfur oxide and sulfur dioxide.

Hazardous Polymerization: Will not occur.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#:

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

LD50/LC50:

CAS# 497-19-8: Inhalation, mouse: LC50 = 1200 mg/m³/2H; Inhalation, rat: LC50 = 2300 mg/m³/2H; Oral, mouse: LD50 = 6600 mg/kg; Oral, rat: LD50 = 4090 mg/kg.
CAS# 9016-45-9: Oral, mouse: LD50 = >50 gm/kg; Oral, rat: LD50 = 4 gm/kg; Skin, rabbit: LD50 = 2 gm/kg.
CAS# 25155-30-0: Oral, mouse: LD50 = 1330 mg/kg; Oral, rat: LD50 = 438 mg/kg.

Carcinogenicity:

Sodium carbonate -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Ethylene oxide-nonylphenol polymer -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Sodium dodecylbenzenesulfonate

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology:

No information available.

Teratogenicity:

No information available.

Reproductive Effects:

No information available.

Neurotoxicity:

No information available.

Mutagenicity:

No information available.

Other Studies:

No data available.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecotoxicity:

Cas# 497-19-8.

LC50(96Hr.) = 320 mg/L; Static Conditions

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

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

RCRA P-Series: None listed.

RCRA U-Series: None listed.

**** SECTION 14 - TRANSPORT INFORMATION ****

US DOT

No information available

Canadian TDG

No information available.

**** SECTION 15 - REGULATORY INFORMATION ****

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.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

DATE: 10/16/00
INDEX: D02864678

ACCT: 888235001
CAT NO: 043204

PAGE: 4
PC NBR: 7755

Section 302 (RQ)

CAS# 25155-30-0: final RQ = 1000 pounds (454 kg)

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 497-19-8: acute.

CAS # 9016-45-9: acute, chronic, flammable.

CAS # 25155-30-0: acute.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

CAS# 25155-30-0 is listed as a Hazardous Substance under the CWA.

None of the chemicals in this product are listed as Priority

Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous

by OSHA.

STATE

Sodium carbonate is not present on state lists from CA, PA, MN, MA,

FL, or NJ.

Ethylene oxide-nonylphenol polymer is not present on state lists from

CA, PA, MN, MA, FL, or NJ.

Sodium dodecylbenzenesulfonate can be found on the following state

right to know lists: California, New Jersey, Pennsylvania,

Massachusetts.

California No Significant Risk Level:

None of the chemicals in this product are listed.

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

United Kingdom Occupational Exposure Limits

Canada

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

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

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

This product has a WHMIS classification of D2B.

CAS# 497-19-8 is not 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 not listed on Canada's Ingredient Disclosure List.

Exposure Limits

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 7/12/1999 Revision #0 Date: Original.

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 way 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.