

Material Safety Data Sheet

FisherBrand Versa-Clean (TM)

ACC# 45385

Section 1 - Chemical Product and Company Identification

MSDS Name: FisherBrand Versa-Clean (TM)

Catalog Numbers: 04-342, 04-343, 04343, S70115

Synonyms: None.

Company Identification:

Fisher Scientific
1 Reagent Lane
Fair Lawn, 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 | Percent | EINECS/ELINCS |
|------------|--|---------|---------------|
| 68412-54-4 | Polyethylene glycol branched nonylphenyl ether | 5-10% | unlisted |
| | Non-hazardous ingredients (<1% each) | 0-10% | unlisted |
| 68603-42-9 | Coconut diethanolamide | 0-5% | 271-657-0 |
| 7732-18-5 | Water | Balance | 231-791-2 |

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: clear amber liquid.

Caution! May cause eye and skin irritation. May cause respiratory and digestive tract irritation. This is expected to be a low hazard for usual industrial handling.

Target Organs: None.

Potential Health Effects

Eye: May cause eye irritation.

Skin: Prolonged and/or repeated contact may cause irritation and/or dermatitis.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Low hazard for usual industrial handling.

Inhalation: May cause respiratory tract irritation. Low hazard for usual industrial handling.

Chronic: No information found.

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.

Skin: Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

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: 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.

Extinguishing Media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Flash Point: Not applicable.

Autoignition Temperature: Not applicable.

Explosion Limits, Lower: Not available.

Upper: Not available.

NFPA Rating: (estimated) Health: 1; Flammability: 0; Instability: 0

Section 6 - Accidental Release Measures

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

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. 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.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation.

Storage: Store in a cool, dry place. 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

| Chemical Name | ACGIH | NIOSH | OSHA - Final PELs |
|---|-------------|-------------|-------------------|
| Polyethylene glycol branched nonylphenyl | none listed | none listed | none listed |

| | | | |
|--------------------------------------|-------------|-------------|-------------|
| ether | | | |
| Non-hazardous ingredients (<1% each) | none listed | none listed | none listed |
| Coconut diethanolamide | none listed | none listed | none listed |
| Water | none listed | none listed | none listed |

OSHA Vacated PELs: Polyethylene glycol branched nonylphenyl ether: No OSHA Vacated PELs are listed for this chemical. Non-hazardous ingredients (<1% each): No OSHA Vacated PELs are listed for this chemical. Coconut diethanolamide: No OSHA Vacated PELs are listed for this chemical. Water: 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 respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance: clear amber

Odor: non-perfumed

pH: 8.5-9.5 (20°C)

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: Soluble in water.

Specific Gravity/Density: 1.06-1.09 (20°C)

Molecular Formula: Mixture

Molecular Weight: Not available.

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Acids and strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:

CAS# 68412-54-4 unlisted.

CAS# unlisted.

CAS# 68603-42-9: GG6200000

CAS# 7732-18-5: ZC0110000

LD50/LC50:

Not available.

Not available.

CAS# 68603-42-9:

Draize test, rabbit, eye: 100 uL Severe;

Draize test, rabbit, skin: 300 uL Moderate;

Oral, rat: LD50 = 12400 uL/kg;

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg;

LD50 of material = 5175 mg/kg. 8603-42-9: Oral, rat: LD50 = 2700 mg/kg. 8412-54-4: Oral, rat: LD50 = 2500 mg/kg.

Carcinogenicity:

CAS# 68412-54-4: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# : Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 68603-42-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No information found

Teratogenicity: No information found

Reproductive Effects: No information found

Mutagenicity: No information found

Neurotoxicity: No information found

Other Studies:

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 - Transport Information

| | | |
|--|---------------|-------------------|
| | US DOT | Canada TDG |
|--|---------------|-------------------|

| | | |
|-----------------------|---|---------------------------|
| Shipping Name: | Please contact Fisher Scientific for shipping information | No information available. |
| Hazard Class: | | |
| UN Number: | | |
| Packing Group: | | |

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| Section 15 - Regulatory Information |
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US FEDERAL

TSCA

CAS# 68412-54-4 is listed on the TSCA inventory.
 CAS# is not listed on the TSCA inventory. It is for research and development use only.
 CAS# 68603-42-9 is listed on the TSCA inventory.
 CAS# 7732-18-5 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.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a