

Safety Data Sheet

SHIELD Interior Cleaner

SECTION 1: Identification

1.1 Product identifier

Brand	SHIELD
Product Name	Interior Cleaner
Product Number	3316

1.4 Supplier's details

Name	Aiken Chemical Company, Inc.
Address	P.O. Box 27147 Greenville, SC 29616 USA
Telephone	864-968-1250
Fax	864-968-1252
email	donnie@clean-rite.com

1.5 Emergency phone number(s) 800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Skin corrosion/irritation (C.4.4), Cat. 2
- Eye damage/irritation (C.4.5), Cat. 2A

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

WARNING

Hazard statement(s)

H315	Causes skin irritation
H319	Causes serious eye irritation

Precautionary statement(s)

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves
P303	IF ON SKIN (or hair): Wash with plenty of soap and water.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Sodium (C14-16) olefin sulfonate

Concentration 1 - 5 % (weight)
CAS no. 68439-57-6

2. Sodium Lauryl Ether Sulfate

Concentration 1 - 5 % (weight)
CAS no. 68585-34-2

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician/doctor if necessary. Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Show this material safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Personal protective equipment for first-aid responders	Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid.

4.2 Most important symptoms/effects, acute and delayed

No data available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No data available.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

None Known

5.3 Special protective actions for fire-fighters

Fire fighters should enter area only if they are protected from all contact with the material. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal Precautions Isolate hazard area and restrict access. Spilled material will be slippery.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

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

Methods for Clean-Up: Absorb spillage with non-combustible, absorbent material. Place in appropriate containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on Safe Handling Handle: in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool, and well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Provide adequate local exhaust ventilation. Eyewash stations. Showers.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Use chemical safety goggles and/or full-face shield where splashing is possible.

Skin protection

Skin Protection: None required with normal household use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

Body protection

Skin Protection: None required with normal household use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

Respiratory protection

Not necessary unless exposure limits are exceeded. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded.

Thermal hazards

No data available.

Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid/Clear
Odor	Slight chemical
Odor threshold	No data available.
pH	8.5 - 9.5
Melting point/freezing point	~0°C
Initial boiling point and boiling range	~100°C
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	0.922
Solubility(ies)	complete in water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties,	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Keep out of reach of children.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Sodium (C14-16) olefin sulfonate: LD50 Rabbit > 2000 mg/kg Oral LD50 Rat > 2000 mg/kg

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Sodium Lauryl Ether Sulfate: Acute toxicity
Assessment of acute toxicity: May be harmful if swallowed in large quantities. Prolonged or excessive inhalation may cause respiratory tract irritation.
Virtually nontoxic after a single ingestion.

Oral

Type of value: LD50

Value: > 2,000 mg/kg (OECD Guideline 401)

Inhalation

Type of value: ATE

Value: > 20.0000 mg/l

Determined for vapor

Type of value: ATE

Value: > 5.0000 mg/l

Determined for mist

Skin corrosion/irritation

There are components in this product that are known to cause skin irritation

Serious eye damage/irritation

There are components in this product that are known to cause eye irritation

Respiratory or skin sensitization

No component of this product is listed as skin sensitizers.

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

No component of this product is considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

STOT-single exposure

Not applicable.

STOT-repeated exposure

None known

Aspiration hazard

Not likely, due to the form of the product.

SECTION 12: Ecological information

Toxicity

Sodium (C14-16) olefin sulfonate: Aquatic Acute Algae EC50 Algae 45 mg/l, 72 hours Crustacea EC50 Daphnia 4.48 mg/l, 48 hours Fish LC50 Fish 2.5 - 5 mg/l, 96 hours

Sodium Lauryl Ether Sulfate: Toxicity to fish

LC50 > 10 - 100 mg/l (DIN EN ISO 7346-2)

Chronic toxicity to aquatic invertebrates

No observed effect concentration > 0.1 - 1 mg/l

Aquatic invertebrates

Information on: Alcohols, C10-16, ethoxylated (> 1 < 2.5 mol EO)

LC50 (48 h) 0.812 mg/l, Daphnia magna (Daphnia test acute, static)

Information on: Alcohols, C10-16, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)

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EC50 (48 h) 7.2 mg/l, Daphnia magna (Directive 92/69/EEC, C.2, static)
Analogous: Assessment derived from products with similar chemical character.

Aquatic plants

Information on: Alcohols, C10-16, ethoxylated (> 1 < 2.5 mol EO)

EC50 (48 h) 0.7 mg/l (growth rate), Skeletonema costatum (ISO/DIS 10253, static)

No observed effect concentration (48 h) 0.32 mg/l (growth rate), Skeletonema costatum (ISO/DIS 10253, static)

Information on: Alcohols, C10-16, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)

No observed effect concentration (72 h) 0.93 mg/l (growth rate), Scenedesmus subspicatus (OECD Guideline 201, static)

Analogous: Assessment derived from products with similar chemical character.

EC50 (72 h) 27 mg/l (growth rate), Scenedesmus subspicatus (OECD Guideline 201, static)

Analogous: Assessment derived from products with similar chemical character

Persistence and degradability

Sodium (C14-16) olefin sulfonate: Readily biodegradable

Sodium Lauryl Ether Sulfate: Assessment biodegradation and elimination (H₂O)

Readily biodegradable (according to OECD criteria).

Bioaccumulate potential

Sodium (C14-16) olefin sulfonate: No data available.

Sodium Lauryl Ether Sulfate: No data available.

Mobility in soil

Sodium (C14-16) olefin sulfonate: No data available.

Sodium Lauryl Ether Sulfate: not applicable

SECTION 13: Disposal considerations

Disposal of the product

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

Disposal of contaminated packaging

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

SECTION 14: Transport information

DOT (US)

UN Number:

Class:

Packing Group:

Proper Shipping Name:

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

Not classified as a dangerous good under transport regulations

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IMDG

UN Number:
Class:
Packing Group:
EMS Number:
Proper Shipping Name:

Not classified as a dangerous good under transport regulations

IATA

UN Number:
Class:
Packing Group:
Proper Shipping Name:

Not classified as a dangerous good under transport regulations

SECTION 15: Regulatory information

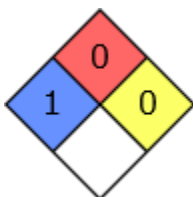
15.2 Chemical Safety Assessment

NFPA (National Fire Protection Association)
HMIS (Hazardous Material Information System)
Hazards are split into categories each with a 0 to 4 rating, 0 meaning no hazard and 4 meaning high hazard

HMIS Rating

Interior Cleaner	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

Abbreviations, acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

bw = body weight

bw/day = body weight/day

EC x = Effect Concentration associated with x% response

GLP = Good Laboratory Practice

IARC = International Agency for Research of Cancer

LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one

half) of a group of test animals

LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals

LL = Lethal Loading

NIOSH = National Institute of Occupational Safety and Health

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NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

NOEL = No Observed Effect Level

OECD = Organization for Economic Co-operation and Development

OSHA = Occupational Safety and Health Administration

UVCB = Substance of unknown or Variable composition, Complex reaction products or biological material

fw = fresh water

mw = marine water

or = occasional release

dw = dry weight

SCBA = Self Contained Breathing Apparatus

Legend

Section 8

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH - National Institute for Occupational Safety and Health

TLV - Threshold Limit Values

PEL - Permissible Exposure Limits

IDHL - Immediately Dangerous to Life or Health concentrations

TWA - Time Weight Average

STEL - Short Term Exposure Limits

S* - Skin notation

TSCA - Toxic Substance Control Act

16.1 Further information/disclaimer

The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship. Safety Data Sheet information is based on the individual ingredients Safety Data Sheets provided by the supplier.

16.2 Preparation information

Aiken Chemical Company, Inc.

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864-968-1250

800-828-1860

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