

SAFETY DATA SHEET

This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200, the EU Directive, 91/155/EEC and other regulatory requirements.

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety and environmental information as defined by OSHA for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use. Whereas product labeling provides information specifically for product use as required under FIFRA 25b(2).

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Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Eco-Me Auto Dish Detergent Rinse Aid, Fragrance Free

Other means of identification

Synonyms AutoDish Rinse Aid for use in Washing Machines (standard & HE)
Item code: ECOM-ARFF08-01
UPC: 810948020158

Recommended use of the chemical and restrictions on use

Recommended Use Automatic Dishwasher Rinse Aid

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Kittrich Corp
Supplier Address 1585 West Mission Blvd
Pomona, CA 91766, USA
Supplier Phone Number Phone: (714) 736-1000
Fax: (714) 736-2000
Supplier Email contactus@kittrich.com

Emergency telephone number Info Trac Chemical Response System
800-535-5053 (24 hours)

2. HAZARDS IDENTIFICATION

Classification

Natural Household automatic dishwasher rinse aid, not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitization	Category: Non hazardous
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GHS Label elements, including precautionary statements

Emergency Overview

Signal word	None		
Hazard Statements	Non-hazardous		
Appearance	Water-based detergent	Physical State	Liquid
		Odor	mild

Precautionary Statements - Prevention

Avoid strong oxidizing agents.

Precautionary Statements - Response

Specific treatment (see first aid instructions on this label)

Skin

Remove contaminated clothing. Flush exposed area with copious amounts mild soap and water. Generally regarded as a non-irritant.

Precautionary Statements - Storage

Keep from freezing

Precautionary Statements - Disposal

Dispose of in ordinary trash

Hazards not otherwise classified (HNOC)

None

Unknown Toxicity

No information available

Other information

Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS			
Chemical Name	CAS No.	Weight-%	Trade Secret
Water	7732-18-5		
Coco Glucoside	141464-42-8		
Decyl Glucoside	68515-73-1		
Sodium Lauryl Glucose Carboxylate Lauryl Glucoside	383178-66-3 110615-47-9		
Acetic acid	64-19-7		
Citric acid	77-92-9		

4. FIRST AID MEASURES

First aid measures

General Advice	Show this safety data sheet to the doctor in attendance.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. May cause an allergic skin reaction.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects	Itching. Rashes. Hives.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically. May cause sensitization of susceptible persons.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

No data available

Specific Hazards Arising from the Chemical

Wear protective gear when fighting a fire.

Uniform Fire Code	Sensitizer: Liquid
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Hazardous Combustion Products

carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

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 Avoid contact with eyes.

Environmental precautions

Environmental Precautions Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

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

Methods for cleaning up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Use caution until floor is dry as area may be slippery.

Biodegradability: Biodegradation is characterized as very soft from the standpoint of biological decay. Using the River Die-Away technique this product will biodegrade to 80% of total theoretical CO₂ after a 24-day test period.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

Storage N Keep container tightly closed.

Incompatible Products Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines Primary route of exposure: Skin Contact & Possible Inhalation
The approximated vapor pressure of the mixture is NOT sufficiently high enough to be a significant route of exposure.

Other Exposure Guidelines None

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Not required. Wear safety glasses with side shields (or goggles) is recommended.
Skin and Body Protection	Not required. Wear protective gloves and protective clothing is recommended.
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Take off contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid	Odor	Mild
Appearance	Viscous	Odor Threshold	N/A
Color	colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	8 - 10	
Melting / freezing point	No data available	Expected to be similar to water
Boiling point / boiling range	<190 deg C	
Flash Point	No data available	
Evaporation Rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	Negligible	
Vapor density	>1 (air = 1)	
Specific Gravity	0.94 – 1.01	
Water Solubility	Soluble	
Solubility in other solvents	Not tested	
Partition coefficient: n-octanol/water	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive properties	None	
Oxidizing Properties	None	

Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None

Hazardous Polymerization

Hazardous polymerization will not occur.

Conditions to avoid

None known based on information supplied.

Incompatible materials

Strong oxidizing agents

Hazardous Decomposition Products

may give off CO and CO₂ when burned, and small amounts of aliphatic/aromatic hydrocarbons

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

This is a home care product that is safe for consumer and other users under intended and reasonable use.

Inhalation

No adverse health effects are expected for finished product

Eye Contact

May cause eye irritation

Skin Contact

May cause mild skin irritation

Ingestion

No data available.

Component Information

Information on toxicological effects

Symptoms

None

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

Not a sensitizer

Mutagenic Effects

Non mutagenic

Carcinogenicity

Contains no ingredient listed as a carcinogen.

Reproductive Toxicity	Non toxic
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	No known effect based on information supplied.
Target Organ Effects	No known effect based on information supplied
Aspiration Hazard	No known effect based on information supplied

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product ingredients are expected to be safe for the environment at concentration predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261).
Contaminated Packaging	Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

<u>DOT</u>	Non hazardous
<u>TDG</u>	Non hazardous
<u>ICAO</u>	Non hazardous
<u>IATA</u>	Non hazardous
<u>IMDG/IMO</u>	Non hazardous

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	N/A

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

The product described in this Safety Data Sheet is regulated under the Federal Food, Drug & Cosmetic Act and is safe to use per directions on container, box or accompanying literature (where applicable).

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

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product is not subject to warning labeling under California Proposition 65.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

International Regulations

Canada
WHMIS Hazard Class
 Non-Toxic

16. OTHER INFORMATION

NFPA Health Hazards 0 Flammability 0 Instability 0 Physical and Chemical Hazards -

HMIS **Health Hazards 0** **Flammability 0** **Physical Hazard 0** **Personal Protection -**

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Revision Date 8 Jan 2016

Revision Note No information available.

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