



THE ECOLOGY WORKS®

June 1, 2016

Safety Data Sheet

Anti-Allergen Laundry Detergent

Section 1: Identification of the Substance /Reparation and the Company/Undertaking

Name of the Product Anti-Allergen Laundry Detergent
Manufacturer The Ecology Works, Inc.
 PO Box 187
 West Palm Beach FL 33404
 Tel: +1 561 848 1717

Relevant identified uses of the substance or mixture and uses advised against identified uses: Laundry Detergent

Information on the Product 888 353 2649
Medical Emergency 911 / 800 222 1222

H	0	
F	0	
R	0	
PE	--	

Section 2: Hazardous Identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 (CLP)

Classification acc to GHS

Section	Hazard Class	Hazard class and category	Hazard Statement
3.3	Causes serious eye irritation.	Serious eye damage/eye irritation, Hazard Category 2	H319

OVERVIEW: Anti Allergen Laundry Detergent causes no potential hazard

IMPORTANT HAZARDS: None

SPECIFIC HAZARDS: In rare cases a minor ocular irritation may occur. Standard eye test for surfactant mixture-Maximum mean score 5.0/110/0 Minimally irritating.

HMS Rating: Health: 0 Flammability: 0 Reactivity: 0 PPE: None

Pictograms



Hazard Statements

H319 Causes serious eye irritation.

Precautionary Statements - Response

In case of eye contact flush with water

Labeling of packages where the contents do not exceed 125 ml

Signal word:

Other Hazards

There is no additional information

Section 3: Composition/Information on Ingredients

Chemical Name of the Substance: No active ingredients are present in concentrations greater than 1% by weight. At these levels none of the ingredients identified in this formulation are known by any governmental regulatory agency to pose any hazard to human health.

Aqueous Oxidant, Denaturant Laundry Detergent	Component	Concentration Range:	CAS:	Pictograms:
	Water	70%	7732-18-5	
	SLES	22%	9004-82-4	
	Sodium Bicarbonate	<Less than< 1%	144-55-8	
	Proprietary Surfactant	<Less than< 1%		
	Proprietary Oxidant	<Less than< 1%		

Recommended use: Anti Allergen Laundry Detergent for reducing protein allergens in fabric.

Formula contains items considered to be a Trade Secret and are withheld in accordance with OSHA 29 CFR XVII- 1910.1200 Section (i) "trade secrets". Contains no hazardous components as listed in 29 CFR 1900.1200 or other pertinent OSHA Regulations.

SDS No. AALD060116

Section 4: First Aid Measures

Description of first aid measures:

General Advice: Product exhibits no adverse effects.
Inhalation: Non-reactive - No medical treatment needed
Skin Contact: Non-irritating - No first aid needed.
Eye Contact: Rinse thoroughly with plenty of water
Ingestion: Non-toxic, drink several glasses of water - No first aid needed.
Following Inhalation: Provide Fresh Air

Most important symptoms and effects, both acute and delayed: Irritant effects

Indication of any immediate medical attention and special treatment needed: None

Section 5: Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA: The product itself does not burn.

UNSUITABLE EXTINGUISHING MEDIA: None

SPECIFIC HAZARDS ARISING FROM SUBSTANCE OR MIXTURE: None

HAZARDOUS COMBUSTION PRODUCTS: None

SPECIFIC METHODS: Product itself can be used to put out fires

ADVISE FOR FIREFIGHTERS: Fight fire with normal precautions from a reasonable distance.

Wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.

For non-emergency personnel: Avoid contact with skin and eyes

Environmental precautions: Keep away from drains, surface and ground water.

Methods and Material for containment and cleaning up:

ENGINEERING MEASURES: General room ventilation is satisfactory. A spill provides no environmental concerns.

CONTROL PARAMETERS: None needed. Dry up to prevent slip or fall hazard.

PERSONAL PROTECTION EQUIPMENT

RESPIRATORY: None needed

EYE: None needed

HAND: None needed

HYGIENE MEASURES: No special requirements needed

Other information relating to spills and releases: Place in appropriate container for disposal

Section 7: Handling and Storage

Precautions for safe handling: No special measures are necessary.

Advice on general occupational hygiene: Keep away from food, drink and animal feeding areas.

Conditions for safe storage, including any incompatibilities: Keep only in the original container. Keep container tightly closed.

Incompatible substances or mixtures: Strong acids

Consideration of other advice.

• **Specific design for storage rooms or vessels:** Recommended storage temperature: Room Temperature

• **Specific end uses:** Laundry Detergent

TECHNICAL MEASURES/PRECAUTIONS:

Normal ventilation is adequate

SAFE HANDLING ADVICE:

KEEP OUT OF THE REACH OF CHILDREN

TECHNICAL MEASURES/STORAGE

CONDITIONS :

Keep away from excessive heat and strong acids.

INCOMPATIBLE PRODUCTS:

Avoid combining with STRONG ACIDS

PACKING MATERIAL :

No restrictions.

Section 8: Exposure Control/Personal Protection

ENGINEERING MEASURES:

General room ventilation is satisfactory

CONTROL PARAMETERS:

None needed

PERSONAL PROTECTION EQUIPMENT

RESPIRATORY:

None needed

EYE:

None needed

HAND:

None needed

HYGIENE MEASURES:

No special requirements needed.

Exposure Controls:

Individual Protection Measure (personal protective equipment): None Needed

Eye/Face Protection: None Needed

Skin Protection: Hands Protection: None Needed

Other Protection Measures: None Needed

Respiratory protection: Usually no personal respiratory protection necessary.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties.

Appearance

Physical State: Water transparent liquid

Color: Colorless

Odor: Pleasant fresh scent

Odor threshold: No data available

Other physical and chemical parameters

pH: 9

FLASH POINT: Non to IBP 100°C (212.9°F)

% VOLATILE BY VOLUME: Nil

SPECIFIC GRAVITY: 1.05

VOLATILE ORGANIC COMPOUNDS: None

BOILING POINT/RANGE: (212°F)

FREEZING POINT: (32°F)

EXPLOSIVE PROPERTIES: None

VAPOR PRESSURE: Does not apply

Explosive limits.

• **Lower explosion limit (LEL):** This information is not available

• **Upper explosion limit (UEL):** This information is not available

Explosion limits of dust clouds: Not relevant

Vapour pressure: This information is not available.

Vapour density: This information is not available.

Bulk density: Not applicable

Relative density: Information on this property is not available.

Solubility(ies)

Water Solubility: Complete water soluble

Partition Coefficient

n-octano/water (log KOW): This information is not available

Auto-ignition temperature: Information on this property is not available

Decomposition temperature: No data available

Viscosity: Not determined

Explosive properties: None

Oxidising properties: None

Other Information: There is no additional information

Section 10: Stability and Reactivity

Vapor pressure : No hazardous polymerization will occur.

Reactivity: None

Chemical Stability: The material is stable under normal ambient and anticipated storage and handling conditions temperature and pressure.

Possibility of hazardous reactions: No known hazardous reactions

Conditions to avoid: Contact with strong acids

Materials to avoid: Strong acids

Hazardous decomposition products: None

Section 11: Toxicological Information

ACUTE TOXICITY: LD50=1,500 mg/kg

LOCAL EFFECTS: None

SPECIFIC EFFECTS: None

Information on toxicological effects: Please refer to section 2 and 3

Skin corrosion/irritation: Shall not be classified as corrosive to skin

Serious eye damage/ eye irritation: Shall not be classified as corrosive to skin

Respiratory or skin sensitization: Shall not be classified as a respiratory or skin sensitizer

Summary of evaluation of the CMR properties: Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant

Specific target organ toxicity - single exposure: Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure: Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard: Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

If swallowed: Non-toxic, drink several glasses of water - No first aid needed.

If in eyes: slightly irritant

If inhaled: data are not available

If on skin: Not irritant

Other information: None.

Section 12: Ecological Information

Toxicity: Shall not be classified as hazardous to the aquatic environment.

Process of degradability: Data are not available.

Bioaccumulative potential: Data are not available.

Mobility in soil: Data is not available.

Results of PBT and vPvB assessment: Data are not available

Other adverse effects: Non-hazardous to water.

Non-toxic, non-hazardous, safe for the environment. This product has been determined to be readily biodegradable according to OECD Method, Modified Strum Test.

Section 13: Disposal Considerations

Waste treatment methods: Dispose of con- tents/container in accordance with local/regional/national/international regulations.

Sewage disposal-relevant information: Do not empty into drains.

Waste treatment of containers/packageings: Offer container for recycling if available

Relevant provisions relating to waste: The allocation of waste identity numbers/waste descriptions must be carried out according to the specific to the industry and process.

Remarks: Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions.

The Ecology Works Anti-Allergen Laundry Detergent poses no hazard to air, water, aquatic life or humans.

Waste from Residues/Unused Products: Follow local environmental guidelines. There are no components in this formulation listed as hazardous subject to 40 CFR 372

Section 14: Transport Information

Not classified as hazardous by DOT per Title 49. Not regulated under international regulations. No U.N. number.

UN number: Not applicable **UN proper shipping name:** Hypoallergenic Laundry Detergent

Transport hazard class(es): Class 55

Packing group:

Environmental hazards: none (non-environmentally hazardous acc. to the danger- ous goods regulations)

Special precautions for user: Provisions for dangerous goods (ADR) should be complied within the premises.

Transport in bulk according to Annex II of MARPOL and the IBC Code: No applicable

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

UN number: Not applicable

Proper shipping name: Hypoallergenic Laundry Detergent

Particulars in the transport document: Surfactants and Allergen Neutralizer

Class: Class 55

Classification code: No data available

Packing group : No data available

Danger label(s):

Excepted quantities (EQ): No data available

Limited quantities (LQ): No data available

Transport category (TC): No data available

Tunnel restriction code (TRC): No data available

Hazard identification No: Not applicable

International Maritime Dangerous Goods Code (IMDG)

UN number:

Proper shipping name: Hypoallergenic Laundry Detergent

Particulars in the shipper's declaration: None

Class: 55

Packing group:

Danger label(s): None

Special provisions (SP): No data available

Excepted quantities (EQ): No data available

Limited quantities (LQ): No data available

EmS: No data available

Stowage category: A

Segregation group: No data available



Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

Limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products (2004/42/EC, Deco-Paint Directive)

VOC content: 0 %

Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content: 0 %

Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

Contains No hazardous components under current OSHA definition including 29CFR 1900.1200. No SARA Section 313 Chemicals. Product is not listed unwer California prop 65. Product meets CARB, and all known regulatory considerations. All chemical used in the manufacture are listed in TSCA inventory.

Section 16: Other Information

The information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of The Ecology Works. The Data on this sheet related only to the specific material designed herein. The Ecology Works assumes no legal responsibility for the use or reliance on this data.

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EmS	Emergency Schedule
Eye Dam.	seriously damaging to the eye
Eye Irrit.	irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IMDG	International Maritime Dangerous Goods Code
index No	the Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
Met. Corr.	corrosive to metals
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	corrosive to skin
Skin Irrit.	irritant to skin
VOC	Volatile Organic Compounds

Section 16: Other Information

vPvB	very Persistent and very Bioaccumulative
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Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU
- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H290	may be corrosive to metals
H314	causes severe skin burns and eye damage
H318	causes serious eye damage

Disclaimer

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.