



Safety Data Sheet

according to OSHA HCS 2012

Naturally Dirt-Demolishing Laundry Detergent

Print Date:

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Naturally Dirt-Demolishing Laundry Detergent (2423, 2423A, 2423B, 2423F, 2423C, 2423D, 2423E, 24231, 24232, 24233, 24234, 24235, 24236, 24237, 24238, 24239, 2874, 2875, 9545400250 & 9545400249)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Laundry Detergent

1.3. Details of the supplier of the substance or mixture

Better Life, PO Box 1888, Grand Rapids, MI 49501

1(877)256-4767, www.cleanhappens.com, info@cleanhappens.com

1.4. Emergency telephone number

Prosar (Medical) 1 866-303-6951

Chemtrec (US) 1 800-424-9300 acct 2808

Chemtrec (Int'l) 1 703-527-3887

SECTION 2: Hazard identification

2.1. Classification of the mixture and 2.2. Label elements

Regulation	Classification	Pictogram	Signal word	Hazard, Precaution Statements
HCS 2012	None	None	None	Not Applicable

2.3. Other hazards, None known

SECTION 3: Composition/information on ingredients

3.2 Mixtures

<u>Ingredient</u>	<u>Percent</u>	<u>OSHA PPM</u>	<u>ACGIH PPM</u>	<u>CAS Number</u>
Decyl Glucoside	≤ 15.0	none	none	68515-73-1
Lauryl Glucoside	≤ 10.0	none	none	110615-47-9
Protease enzyme	< 0.1	0.00006	0.00006	9014-01-1
Amylase enzyme	< 0.1	none	none	9000-90-2

Also contains additional surfactants, builders, water, preservative, and fragrance if applicable. Exact percentages withheld as a trade secret

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: remove person to fresh air. If you are concerned, get medical advice.

Skin contact: wash with soap and water. If you are concerned, get medical advice.

Eye contact: flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

If swallowed: rinse mouth, drink 1-2 glasses of water, do not induce vomiting. If you are concerned, get medical advice.

Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

See Section 11.1 Information on toxicological effects

4.3. Indication of any immediate medical attention and special treatment required

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Non-combustible. Use a fire fighting agent suitable for surrounding fire.

5.2. Special hazards arising from the substance or mixture

None inherent in this product. Hazardous decomposition during combustion: carbon monoxide, carbon dioxide, irritant vapors or gases.

5.3. Advice for fire-fighters

No special protective actions for fire-fighters are anticipated.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

None required

6.2. Environmental precautions

Do not empty into drains / surface water / ground water

6.3. Methods and material for containment and cleaning up

Remove with liquid-absorbing material (sand, peat, sawdust). Wash away residue with plenty of water. Dispose of contaminated material as waste according to Chapter 13.

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

None required

7.2. Conditions for safe storage including any incompatibilities

Keep out of the reach of children. Store in closed original container in a well-ventilated place

7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits. If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

none

Biological limit values: No biological limit values exist for any of the components listed in Section 3

8.2. Exposure controls

8.2.1. Engineering controls

None required

8.2.2. Personal protective equipment (PPE)

Eye/face protection: None required.

Skin/hand protection: None required

Respiratory protection: None required

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Opaque light straw
Physical state	liquid
Odor	Pleasant
Odor Threshold	> 50 mg/ m3
pH	8.0- 9.0
Flash Point	Not flammable
Melting Point/Range	Not applicable
Freezing point	0°C, 32°F
Boiling Point/Range	100 °C, 212°F
Autoignition Temperature	None
Flammability Limits in Air	Not flammable

Explosive properties	Not explosive
Oxidizing properties	Not oxidizing
Vapor pressure	< 17.5 mmHg @ 20°C
Vapor density	No information available
Density	1.0 g/mL @ 20 °C
Partition coefficient	< 1 K _{ow}
Water solubility	Completely Soluble@20 °C
Viscosity	< 60 cP @ 20C
Evaporation rate	>1 (BuAc = 1)
Decomposition	None

9.2. Other information

Volatile organic compounds (VOC) 0 g/l



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SECTION 10: Stability and reactivity

10.1 Reactivity Stable under normal conditions

10.2 Chemical stability Stable

10.3 Possibility of hazardous reactions No dangerous reaction known under conditions of normal use

10.4 Conditions to avoid Heat

10.5 Incompatible materials Reducing agents, strong acids, strong oxidizing agents

10.6 Hazardous decomposition products None known. Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

11.1 Information on Toxicological effects

Information given is based on product testing, and/or similar products, and/or components

CMR effects: Not expected to be carcinogenic. Not considered a mutagenic hazard. No toxicity to reproduction

Acute oral toxicity: LD50:> 2000 - 5000 mg / kg Species: rat

Acute inhalation toxicity: LC50:> 20 mg / l

Acute dermal toxicity: LD50:> 2000 - 5000 mg / kg

Skin: Result: Not irritating.

Eye irritation: Result: Not irritating.

Sensitization: Not expected to be a sensitizer

Toxicity Repeated dose: Not expected to be a hazard.

Target organ toxicity - repeated exposure: Not expected to be a hazard.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish: LC50:> 100-1000 mg / l, Exposure time: 96 h

Species: Fish

Toxicity to daphnia and other invertebrates that live in water:

EC50:> 100 to 1000 mg / l, exposure time: 48 h

Species: Daphnia magna, the value is estimated from tests on similar products.

Toxicity to algae: EC50:> 100 to 1000 mg / l, Exposure time: 72 h

Species: algae, the value is estimated from tests on similar products.

12.2. Persistence and degradability

Biodegradability: Result: According to the results of tests of biodegradability this product is considered as being readily biodegradable. > 60%, Method: OECD Guide- line 301 D - Ready Biodegradability: Closed Bottle Test

12.3. Bioaccumulative potential

Bioaccumulation: No accumulation expected

12.4. Mobility in soil

If the product enters soil, one or more constituents will or may be mobile and may contaminate groundwater.

12.5. Results of the PBT and vPvB assessment

Results of PBT assessment: This substance does not meet the Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

12.6. Other adverse effects

No data available



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SECTION 13: Disposal considerations

Waste from residues / unused products:

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation. Discharge used solutions to drain

Empty packaging

Recommendation: Non contaminated packagings may be recycled.

Recommended cleansing agents: Water

SECTION 14: Transportation information

ADR: Not hazardous for transport.

RID: Not hazardous for transport

IMDG: Not hazardous for transport.

DOT: Not hazardous for transport

IATA: Not hazardous for transport

Marine Pollutant: No

SECTION 15: Regulatory information

U.S. EPA SARA Reporting Requirements: This product does not contain any substances subject to the reporting requirements of Section 313 of SARA Title III or 40 CFR Part 373

U.S. EPA TSCA Inventory Status: All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inventory status.

U.S. EPA CERCLA Reportable Quantity (RQ): None

Other U.S. Federal Requirements: This material does not contain any hazardous air pollutants. None of the components in this product are listed as priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA

California Prop 65: None of the chemicals in this product are listed.

State Criteria Lists: None of the chemicals in this product are listed.

WHIMS Classification: Not considered to be a hazardous product.

DSL / NDSL: All of the components are listed.

Priority Substances List: None of the components are listed.

SECTION 16: Other information

Abbreviation:

OSHA

DNEL Derived No Effect Level

DMEL Derived Minimal Effect Level

The information herein is presented in good faith and believed to be accurate as of the effective date shown below. However, no warranty, expressed or implied, is given. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with federal, state or Provincial, and local laws.

Effective Date: February 15, 2019

Supersedes: Not applicable, New issue

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