



1. SECTION 1: CHEMICAL/MIXTURE IDENTIFICATION

1.1 Product identifier	Product Name CAS No.	Hero Clean Liquid Laundry Detergent Mixture.
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified use(s) Uses advised against	Laundry detergent None known.
1.3 Details of the supplier of the product	Company Identification Telephone	Beaumont Products, Inc, 1540 Big Shanty Drive Kennesaw, GA 30144 (800) 451-7096
1.4 Emergency telephone number		CHEMTEL: 1-800-255-3924, Int'l: 1-813-248-0585

2. SECTION 2: HAZARDS IDENTIFICATION

"Consumer Products", defined by the US Consumer Product Safety Act and are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided to assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

GHS 29 CFR 1910.1200	Acute toxicity oral Category 4 Skin Corrosion/Irritation Category 2 Eye damage/Irritation Category 2A
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2.2 Label elements

Hazard pictogram(s)



Signal word(s)
Hazard statement(s)

Warning
Causes serious eye irritation
Causes skin irritation
Harmful if swallowed

Precautionary statement(s)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention
IF SWALLOWED: Drink plenty of water. Call poison control if person feels unwell.
IF ON SKIN: Rinse with plenty of water
If skin irritation occurs, get medical attention

2.3 Other hazards

None.

2.4 Additional Information

None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

29CFR 1910.1200

Ingredient(s)	%W/W	CAS No.
Water	60-70	7732-18-5
Ethoxylated alcohol	5-12	68131-39-5
Sodium Laureth Sulfate	5-10	9004-82-4
Citric acid	1-5	77-92-9
Linear alkylbenzene sulfonic acid	1-5	68584-22-5
Coconut fatty acid	0-5	61788-47-4
Monoethanolamine	0-5	141-43-5
Polycarboxylate	0-3	9003-04-7
Enzyme	0-3	Mixed
Dye, fragrance	1-2	Mixed
Biocide preservative	<0.5	55965-84-9

3.2 Additional Information

None.

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, get medical attention.

Skin Contact

Wash with plenty of soap and water. If irritation develops, get medical attention.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. If irritation develops, get medical attention.

Ingestion

Give plenty of water to drink. Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Water spray, foam, dry powder or CO₂.

Unsuitable Extinguishing Media

None known.

5.2 Special hazards arising from the substance or mixture

None anticipated.

5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Caution - spillages may be slippery. Ensure adequate ventilation. Wear personal protective equipment.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material.

6.4 Reference to other sections

See Also Section: 8, 13.

7. SECTION 7: HANDLING AND STORAGE

General hygiene measures for the handling of chemicals are applicable.

7.1 Precautions for safe handling

Wear suitable personal protective equipment. Wash hands and exposed skin after use. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool, well ventilated place.

Storage Temperature

Ambient.

Storage Life

Stable under normal conditions.

Incompatible materials

None know

7.3 Specific end use(s)

Detergent.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Protease enzyme	NA	15mg/m ³	-	-	
Sodium hydroxide (50%)	1310-73-2	2mg/m ²	-	-	

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

8.1.2 Biological limit value

Not established.

8.1.3 PNECs and DNELs

Not established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide adequate ventilation.

8.2.2 Personal protection equipment

Eye/face protection

Wear protective eye glasses for protection against liquid splashes.



Skin protection (Hand protection/ Other)

Wear suitable gloves if prolonged skin contact is likely. Wear impervious gloves (EN374).



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards

Not applicable.

8.2.3 Environmental Exposure Controls

Do not release large quantities into the surface water or into drains.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
Color	Clear green
Odor	Scented
Odor Threshold	Not established.
pH	7-9
Melting Point/Freezing Point	Not applicable.
Initial boiling point and boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapour pressure	No information available
Vapour density	Not applicable.
Relative density	No information available.
Solubility	Soluble in water.
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition Temperature	No information available.
Viscosity	200-1000 cps.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	None anticipated.
10.5 Incompatible materials	None in particular.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Chemical name	CAS	Oral LD50	Dermal LD50	Inhalation LC50
Ethoxylated alcohol	68131-39-5	>2g/kg rat	>5g/kg rat	No data
Sodium Laureth Sulfate	9004-82-4	>2g/Kg (rat)	2-5g/Kg (rabbit)	No data
Citric acid	77-92-9	>3g/Kg (est)	>5g/Kg (est)	>20mg/L (est)
Linear alkylbenzene sulfonic acid	68584-22-5	0.5-2g/kg rat	>2g/kg rabbit	No data
Coconut fatty acid	61788-47-4	>2g/Kg (rat)	No data	No data
Polycarboxylate	9003-04-7	>5g/Kg (rat)	>5g/Kg (rabbit)	No data
Biocide preservative	55965-84-9	>2g/Kg (rat)	>5g/Kg (rat)	No data

Acute toxicity	May be harmful if swallowed
Irritation	Irritating to skin and eyes
Corrosivity	Irritating to skin and eyes
Sensitisation	It is not a skin sensitizer.
Repeated dose toxicity	None anticipated.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	No evidence of mutagenic potential.
Toxicity for reproduction	None anticipated.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ingredient(s)	CAS No.	Fish	Daphnia
Ethoxylated alcohol	68131-39-5	96h EC50 2.7mg/L	48h 0.75mg/L
Sodium Laureth Sulfate	9004-82-4	96h EC50 2.3mg/L	48h >13mg/L
Citric acid	77-92-9	96h EC50 >100/L	No data
Linear alkylbenzene sulfonic acid	68584-22-5	96h EC50 1.67mg/L	48h >2.4mg/L
Coconut fatty acid	61788-47-4	96h EC50 900mg/L (Bluegill)	NA
Polycarboxylate	9003-04-7	96h EC50 700mg/L (Trout)	48h >1,000mg/L
Biocide preservative	55965-84-9	96h EC50 15mg/L (Trout)	48h 8mg/L

12.2 Persistence and degradability	No information available
12.3 Bioaccumulative potential	No information available.
12.4 Mobility in soil	No information available
12.5 Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6 Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Use appropriate tools to put the spilled substance in a convenient waste disposal container. Finish cleaning by spreading soap and water on the contaminated surface.
13.2 Additional Information	Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1	UN number	Not applicable.
14.2	UN Proper Shipping Name	Not applicable.
14.3	Transport hazard class(es)	Not applicable.
14.4	Packing Group	Not applicable.
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	Not applicable.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.2	GHS	Created in accordance with the OSHA's implementation of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
15.3	US EPA	TSCA: All ingredient are on the TSCA inventory.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

SDS REVISION NUMBER	2.0
SDS PREPARATION DATE	4/DEC/2019
SUPERCEDES	3/MAR/2017
REVISION NOTES	None available

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Annex to the extended Safety Data Sheet (eSDS)

No information available.