



SAFETY DATA SHEET

Issuing date No data available

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Version 3

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Label Name Kirkland Signature Heavy-Duty Laundry Detergent Super Concentrate
Product Generic Name Powder Laundry Detergent
UPC Code(s) 096619119905, 096619337002

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

Sold to the general public? Intended for general public
Recommended Use Cleaning product Detergent

Uses advised against Read label before use

1.3. Details of the supplier of the safety data sheet

Importer	Supplier Address
Costco Wholesale Spain, S.L.U. Polígono Empresarial Los Gavilanes Calle Agustín de Betancourt, 17 28906 Getafe (Madrid) España CIF : B86509460 www.costco.es (+34) 900 111 155	Costco Wholesale Corporation P.O. Box 34535, Seattle, WA 98124-1535 USA 1-800-774-2678 www.costco.com

1.4. Emergency telephone number

Emergency telephone - §45 - (EC)1272/2008	
Europe	112
France	ORFILA (FR): + 01 45 42 59 59
Iceland	Eitrunarmiðstöðin Tel. (+354) 543-2222
Spain	Poison Information Service (ES): +34 91 562 04 20
United Kingdom	NHS Direct (UK): +44 0845 46 47

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
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2.2. Label elements

Product identifier



Signal Word
Warning

Hazard Statements

H319 - Causes serious eye irritation

Precautionary Statements - EU (§28, 1272/2008)

P264 - Wash hands thoroughly after handling

2.3. Other hazards

General Hazards Not applicable

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Mixtures

Chemical Name	EC-No	CAS-No	Weight %	Classification (Reg. 1272/2008)	REACH Registration Number
Sodium carbonate	207-838-8	497-19-8	30 - 70	Eye Irrit. 2 (H319)	Pre-Registered or Exempt from Registration
SODIUM POLYACRYLATE	-	9003-04-7	1 - 5	No data available	Pre-Registered or Exempt from Registration

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice For further assistance, contact your local Poison Control Center.

Toxic - Inhalation Move to fresh air.

Skin contact Wash off immediately with plenty of water. Consult a physician if necessary.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Ingestion Rinse mouth. Drink plenty of water. Consult a physician if necessary.

Protection of First-aiders Use personal protective equipment as required.

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

Main Symptoms May cause redness and tearing of the eyes. Chronic Effects. Not expected.

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

Notes to physician Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

None

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with eyes.

Advice for emergency responders

For personal protection see section 8.

6.2. Environmental precautions

See Section 12 for additional Ecological Information.

6.3. 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

Clean contaminated surface thoroughly. Soak up with inert absorbent material.

6.4. Reference to other sections

See Section 12 for additional Ecological information. For personal protection see section 8.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Use according to package label instructions.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

Packaging material

Keep consumer product in packaging product is initially sold in.

7.3. Specific end use(s)

Specific use(s)

Intended for general public. Follow label instructions. Not recommended for any use except intended use.

Risk Management Measures

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

Chemical Name	European Union	The United Kingdom	France	Spain	Germany
SODIUM POLYACRYLATE 9003-04-7					TWA: 0.05 mg/m ³ Ceiling / Peak: 0.05 mg/m ³ Skin

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/Face Protection Safety glasses with side-shields.
Hand Protection No special protective equipment required.
Skin and body protection No special protective equipment required.
Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment.

Environmental Exposure Controls Do not allow material to contaminate ground water system.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	powder	Odor	Lemon
Appearance	FREE-FLOWING POWDER	Odor threshold	No information available
Color	off-white		
Property	Values	Remarks • Method	
pH	11.000	PH - 1% SOLUTION	
Melting point		No information available	
Boiling point/boiling range		No information available	
Flash Point		No information available	
Evaporation rate		No information available	
Flammability (solid, gas)		No information available	
Flammability Limits in Air			
Upper Flammability Limit		No information available	
Lower Flammability Limit		No information available	
Vapor pressure		No information available	
Vapor density		No information available	
Specific Gravity		No information available	
Water solubility	Soluble in water	No information available	
Solubility in other solvents		No information available	
Partition coefficient: n-octanol/water		No information available	
Autoignition temperature		No information available	
Decomposition temperature		No information available	
Viscosity, kinematic	50 cps	No information available	
Viscosity, dynamic		No information available	
Explosive properties	No information available		
Oxidizing Properties	No information available		

9.2. Other information

Softening point	No information available
Molecular weight	No information available
VOC Content(%)	No information available
Density	0.780

Bulk Density No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not expected

10.2. Chemical stability

Stable under recommended storage conditions.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

Hazardous Polymerization

None under normal processing.

Hazardous Reactions

None under normal processing.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Product Information

Toxic - Inhalation

Not an expected route of exposure.

Eye contact

Irritating to eyes.

Skin contact

Prolonged contact may cause redness and irritation.

Ingestion

May be harmful if swallowed.

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

ATEmix (oral) 4,125.00

ATEmix (dermal) 2,956.00

Component Information

Skin corrosion/irritation

No known effect.

Eye damage/irritation

Irritating to eyes.

Sensitization

No known effect.

Germ cell mutagenicity

No known effect.

Carcinogenicity

No known effect.

Reproductive toxicity	No known effect.
Developmental Toxicity	No known effect.
STOT - single exposure	No known effect.
STOT - repeated exposure	No known effect.
Aspiration hazard	No known effect.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

1.90975% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Sodium carbonate	120 h Nitzschia mg/L EC50	96h LC50: = 300 mg/L(Lepomis macrochirus) 96hLC50: 310 - 1220 mg/L(Pimephales promelas)	48h EC50: = 265 mg/L
SODIUM POLYACRYLATE	-	-	-

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical Name	Partition coefficient
Sodium carbonate	-
SODIUM POLYACRYLATE	-

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No information available

Chemical Name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Sodium carbonate	-	-	-
SODIUM POLYACRYLATE	-	-	-

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products Dispose of in accordance with the European Directives on waste and hazardous waste.

Contaminated packaging Do not re-use empty containers.

Other information According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG

14.1 UN/ID No	Not applicable
14.2 Proper shipping name	Not applicable
14.3 Hazard class	Not applicable
14.4 Packing Group	Not applicable
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	None

RID

14.1 UN/ID No	Not applicable
14.2 Proper shipping name	Not applicable
14.3 Hazard class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

ADR

14.1 UN/ID No	Not applicable
14.2 Proper shipping name	Not applicable
14.3 Hazard class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

ICAO

14.1 UN/ID No	Not applicable
14.2 Proper shipping name	Not applicable
14.3 Hazard class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

IATA

14.1 UN/ID No	Not applicable
14.2 Proper shipping name	Not applicable
14.3 Hazard class	Not applicable
14.4 Packing Group	Not applicable
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations

Chemical Name	French RG number	Title
Sodium carbonate 497-19-8	-	-
SODIUM POLYACRYLATE 9003-04-7	-	-

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	-
ENCS	-
KECL	-
AICS	-

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under sections 2 and 3

H319 - Causes serious eye irritation
H351 - Suspected of causing cancer if swallowed
H335 - May cause respiratory irritation
H225 - Highly flammable liquid and vapor
EUH066 - Repeated exposure may cause skin dryness or cracking
EUH019 - May form explosive peroxides

Legend -
SVHC: Substances of Very High Concern for Authorization:

Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA:	Time weighted average	STEL:	Short term exposure limit
Ceiling:	Maximum limit value:	*	Skin designation

Revision Date 23-Jan-2018

Revision Note Not applicable.

Restrictions on use Follow label instructions. Not recommended for any use except intended use.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Disclaimer

The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment.

End of Safety Data Sheet