



Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier.

Product identifier. 124053
Product name. Optimal Rinse
Pure substance/mixture. No Information

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

Recommended Use. Professional Carpet Cleaning
Uses advised against. Professional Use Only

1.3 Details of the supplier of the safety data sheet.

Supplier. Legend Brands
15180 Josh Wilson Road
Burlington, WA 98233
E-Mail: sds@legendbrands.com
800-932-3030

Legend Brands Europe
22 Plover Close Interchange Park
Newport Pagnell MK069PS UK
+44 (0) 1908 611211

1.4 Emergency telephone number. INFOTRAC 1-800-535-5053 (North America)
+1-352-323-3500 (International)

Europe 112
Austria +43 1 406 43 43
Belgium Poison center (BE): +32 70 245 245
Denmark Poison Control Hotline (DK): +45 82 12 12 12
Finland Poison Information Centre (FI): +358 9 471 9773
France ORFILA (FR): + 01 45 42 59 59
Germany Poison Center Berlin (DE): +49 030 30686 790
Poison Center Nord: +49 551 19240(24h available English / German)
Ireland National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566
Iceland +354 543 2222
Italy Poison Center, Milan (IT): +39 02 6610 1029
Luxemborg 112
Netherlands National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available To health professionals)
Norway Poisons Information (NO): + 47 22 591300
Portugal Poison Information Center (PT): +351 800 250 250
Spain Poison Information Service (ES): +34 91 562 04 20
Sweden Poisons Information Center (SV): +46 8 33 12 31
Switzerland Poison Center: Tel 145; +41 44 251 51 51
United Kingdom 111 / 0300 020 0155

2. Hazards Identification

2.1 Classification of the substance or mixture. (Regulation (EC) No 1272/2008)

Serious Eye Damage, category 1
Skin Irritation, category 2

2.2 Label elements.

**Signal Word**

Danger

Hazardous components which must be listed on the label

Ethoxylated alcohols, C9-C11, L(+) LACTIC ACID

Possible Hazards

< 1% of the mixture consists of ingredient(s) of unknown acute toxicity

HAZARD STATEMENTS

H318 Causes serious eye damage.
 H315 Causes skin irritation.

LABEL PRECAUTIONARY STATEMENTS

P362+P364 Take off contaminated clothing and wash it before reuse.

PRECAUTIONARY STATEMENTS

P264 Wash face, hands and any exposed skin thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor/physician.
 P321 Specific treatment (see supplemental first aid instructions on this label).
 P332+P313 If skin irritation occurs: Get medical advice/attention.

2.3 Other hazards

EMERGENCY OVERVIEW: No Information

3. Composition/Information on Ingredients**3.1 Substances.**

This product is a mixture. Health hazard information is based on its components.

3.2 Mixtures.

CAS-No.	EC No.	REACH Reg No.	Wt. %	Chemical Name	Classification (1272/2008/EC)
79-33-4	201-196-2	No Information	2.5-10	L(+) LACTIC ACID	Skin Corr. 1 (H314)
68439-46-3	No Information	No Information	1.0-2.5	Ethoxylated alcohols, C9-C11	Skin Irrit. 2 (H315) Eye Dam. 1 (H318)
1310-73-2	215-185-5	01-2119457892-27-XXXX	< 1.0	Sodium hydroxide	Acute Tox. 4 Dermal (H312) Skin Corr. 1 (H314)
1643-20-5	216-700-6	No Information	< 1.0	Dodecyldimethylamine oxide	No information
7664-38-2	231-633-2	No Information	< 1.0	Phosphoric acid	Acute Tox. 4 Oral (H302) Skin Corr. 1 (H314)
55965-84-9	No Information	No Information	< 1.0	MIXTURE OF 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2 H-ISOTHIAZOL-3-ONE (3:1)	Acute Tox. 3 Oral (H301) Acute Tox. 1 Dermal (H310) Skin Corr. 1 (H314) Skin Sens. 1 (H317) Acute Tox. 1 Inhalation (H330) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Corr. Resp. (EUH071) M-Factor: 100 M-Factor chronic: 100

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

4. First-aid Measures

4.1 Description of first-aid measures.

General advice.

Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation.

Move to fresh air.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

Eye contact.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water.

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

Symptoms

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

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

Notes to physician

Treat symptomatically.

5. Fire-fighting Measures

5.1 Extinguishing media.

Suitable extinguishing media.

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

No Information

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

5.2 Special hazards arising from the substance or mixture.

No information available.

5.3 Advice for firefighters.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Use personal protection recommended in Section 8.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures.

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Use personal protection recommended in Section 8.

6.2 Environmental precautions.

Prevent product from entering drains. See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up.

Methods for Containment.

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Methods for cleaning up.

Use personal protective equipment as required.

6.4 Reference to other sections

See section 8 for more information.

7. Handling and Storage

7.1 Precautions for safe handling.

Advice on safe handling.

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures.

See section 7 for more information.

7.2 Conditions for safe storage, including any incompatibilities.

Storage Conditions.

Keep containers tightly closed in a cool, well-ventilated place.

7.3 Specific end use(s)

Specific use(s)

No Information

Exposure scenario

No Information Available

8. Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limit Values

Chemical Name	Austria	Belguim	Denmark	European Union	Finland	France
Sodium hydroxide 1310-73-2	STEL: 4 mg/m3 TWA: 2 mg/m3					TWA: 2 mg/m3
Phosphoric acid 7664-38-2	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 0.5 ppm STEL: 2 mg/m3 TWA: 0.2 ppm TWA: 1 mg/m3
MIXTURE OF 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2 H-ISOTHIAZOL-3-ONE (3:1) 55965-84-9	TWA: 0.05 mg/m3					
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	Netherlands
Sodium hydroxide 1310-73-2		STEL: 2 mg/m3	STEL: 2 mg/m3			
Phosphoric acid 7664-38-2	STEL: 4 mg/m3 TWA: 2 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	UK
Sodium hydroxide 1310-73-2			STEL: 2 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 2 mg/m3	STEL: 2 mg/m3
Phosphoric acid 7664-38-2	STEL: 3 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 4 mg/m3 TWA: 2 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3
MIXTURE OF 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2 H-ISOTHIAZOL-3-ONE (3:1) 55965-84-9					TWA: 0.2 mg/m3	

TWA: Time weighted average

STEL: Short term exposure limit

Derived No Effect Level (DNEL)

No Information Available

Predicted No Effect Level (PNEC)

No Information Available

8.2. Exposure controls.**Engineering Measures.**

Showers, eyewash stations, and ventilation systems.

Personal protective equipment.**Eye/Face Protection.**

Safety glasses with side-shields.

Hand Protection.

Wear suitable protective clothing.

Skin and body protection.

No Information

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

Hygiene measures.

See section 7 for more information.

Environmental Exposure Controls.

No Information

9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties.**

Physical state	Liquid
Appearance	Clear
Colour	Colorless
Odour	Pungent
Odour Threshold	No Information
pH	4
Melting point / freezing point (°C)	No Information
Flash Point, (°C)	No Information
Boiling point/range (°C)	100 - 1,390
Evaporation rate	No Information Available
Combustibility	Does not Support Combustion
Upper/lower flammability or explosive limits	No Information
Vapour Pressure	No Information
Vapour density	No Information
Specific Gravity (g/cm³)	1.040
Solubility in / Miscibility with Water	Soluble in water
Partition Coefficient: n-octanol/water	No Information
Auto-Ignition Temperature (°C)	No Information
Decomposition temperature (°C)	No Information
Viscosity	No Information
Oxidising properties	Not Applicable

9.2 Other information.

Volatile Organic Compounds (VOC) content	Negligible
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(See section 16 for abbreviation legend)

10. Stability and Reactivity

10.1 Reactivity.

Stable under normal conditions.

10.2 Chemical stability.

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions.

None known based on information supplied.

10.4 Conditions to Avoid.

None known.

10.5 Incompatible Materials.

None known based on information supplied.

10.6 Hazardous Decomposition Products.

None known.

11. Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity

Product Information

The product itself has not been tested

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

ATEmix (oral)	0.0 mg/kg
ATEmix (dermal)	0.0 mg/kg
ATEMixInhalation	ATEMixInhalation

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
1310-73-2	Sodium hydroxide	N.I.	1350 mg/kg Rabbit	N.I.
7664-38-2	Phosphoric acid	1530 mg/kg Rat	2740 mg/kg Rabbit	N.I.
55965-84-9	MIXTURE OF 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2-H-ISOTHIAZOL-3-ONE (3:1)	53 mg/kg Rat	87.12 mg/kg Rabbit	N.I.

N.I. = No Information

Skin corrosion/irritation.

SKIN IRRITANT.

12. Ecological Information

12.1 Toxicity

1.39% of the mixture consists of ingredient(s) of unknown aquatic toxicity

Ecotoxicity Effects

<u>Chemical Name</u>	<u>Toxicity to algae</u>	<u>Toxicity to fish</u>	<u>Toxicity to daphnia and other aquatic invertebrates</u>
L(+) LACTIC ACID 79-33-4	-	LC50 96 h Brachydanio rerio 320 mg/L, LC50 96 h Lepomis macrochirus 100 - 180 mg/L, LC50 96 h Oncorhynchus mykiss 100 - 180 mg/L	EC50 48 h Daphnia magna 240 mg/L, EC50 48 h Daphnia magna 180 - 320 mg/L
Sodium hydroxide 1310-73-2	-	LC50 96 h Oncorhynchus mykiss 45.4 mg/L	-
Dodecyldimethylamine oxide 1643-20-5	-	LC50 96 h Danio rerio 134 mg/L	-

12.2. Persistence and degradability.

No data are available on the product itself

12.3. Bioaccumulative potential.

Discharge into the environment must be avoided.

CAS-No.
79-33-4Chemical Name
L(+)-LACTIC ACIDBio. Conc. Factor (BCF)
N.I.Octanol-water par. Coeff (KOW)
-0.62**12.4 Mobility in soil.****Mobility in soil.**

No information available

Mobility

No information available

12.5 Results of PBT and vPvB assessment.

No data are available on the product itself

12.6 Other adverse effects.

No information available

13. Disposal Considerations**13.1 Waste treatment methods.****Waste from residues /unused products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

No Information

Other information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

14. Transport Information**ADR**

14.1 UN number:	No Information
14.2 Proper shipping name:	Not Regulated
14.3 Hazard class(es):	No Information
14.4 Packing group:	No Information
14.5 Environmental hazards:	No Information
14.6 Special provisions:	No Information

IMDG

14.1 UN number:	No Information
14.2 Proper shipping name:	Not regulated
14.3 Hazard class(es):	No Information
14.4 Packing group:	No Information
14.5 Marine pollutant:	No Information
Environmental hazards:	No Information
14.6 Special provisions:	No Information
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	No Information

IATA

14.1 UN number:	No Information
14.2 Proper shipping name:	Not recommended for air transport.
14.3 Hazard class(es):	No Information
14.4 Packing group:	No Information
14.5 Environmental hazards:	No Information
14.6 Special provisions:	No Information

15. Regulatory Information

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

National regulatory information

German WGK classification: 3

Remarks: WGK 0 = in general not a water pollutant
 WGK 1 = weak water pollutant
 WGK 2 = water pollutant
 WGK 3 = severe water pollutant

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

Persistent Organic Pollutants

Not applicable

Authorizations (Annex XIV) and/or restrictions on use (Annex XVII), Regulation (CE) 1907/2006

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Annex XIV Authorisation List</u>	<u>Annex XVII Restricted list</u>
	Not applicable		

EU Substances of Very High Concern

<u>CAS-No.</u>	<u>Chemical Name</u>
	No items on this list exist.

International Inventories

TSCA	-
DSL	-
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AICS	-
NZIoC	-

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory.
DSL	Canadian Domestic Substances List.
EINECS/ELINCS	European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
ENCS	Japan Existing and New Chemical Substances.
IECSC	China Inventory of Existing Chemical Substances.
KECL	Korean Existing and Evaluated Chemical Substances.
PICCS	Philippines Inventory of Chemicals and Chemical Substances.
AICS	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

16. Other Information

Revision Date	6/15/2021	Supersedes Date	New MSDS
Reason for revision	No Information		

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

EUH071	Corrosive to the respiratory tract.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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

