

Safety Data Sheet

According to SS586:2014

Clorox 2 Stain Fighter Laundry Pre-Treater Gel for Colors

Version 1.0

Issue date: 10/10/2014

Revision date: 10/10/2014

SDS Record Number: CSSS-TCO-010-115553

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

Product identifier:

Identification on the label/Trade name: Clorox 2 Stain Fighter Laundry Pre-Treater Gel for Colors
Additional identification: Not available
Identification of the product: See section 3
Index Number: Not available
REACH registration No.: Not available

Relevant identified uses of the substance and uses advised against:

Identified uses:

Laundry stain remover.

Uses advised against:

Not available.

Details of the supplier of the safety data sheet:

Supplier(Manufacturer): The Clorox Company
Address: 1221 Broadway. Oakland, CA 94612. USA
Contact person(E-mail): -
Telephone: 1-510-271-7000
Fax: -

Emergency telephone Number:

For Medical Emergencies call: 1-800-446-1014

Transportation Emergencies, call Chemtrec: 1-800-424-9300

Available outside office hours? YES NO

Section 2 Hazards Identification

Classification of the substance/mixture:

GHS Classification Serious eye damage/eye irritation Category 2
Reproductive toxicity Category 1B

label elements:

Hazard Pictograms:



Signal Word(S): Danger

Hazard Statement: Causes serious eye irritation
May damage fertility or the unborn child

Precautionary statement: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Use personal protective equipment as required.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

IF exposed or concerned: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store locked up.

Dispose of contents/container in according with local regulation.

Other hazards:

Not available.

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Glycerin	N/A	56-81-5	200-289-5	10 – 30%
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	N/A	110615-47-9	N/A	7 – 13%
Boric acid (H3BO3)	N/A	10043-35-3	233-139-2	3 – 7%
Hexyl D-glucoside	N/A	54549-24-5	259-217-6	1 – 5%
Citrate, sodium, dihydrate	N/A	6132-04-3	N/A	1 – 5%

Section 4 First aid measures

Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

In case of inhalation:

Move to fresh air. If symptoms persist, call a physician. Get medical attention immediately if symptoms occur.

In case of skin contact:

Wash off immediately with soap and plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a physician.

In case of eyes contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Seek immediate medical attention/advice.

In case of ingestion:

Do NOT induce vomiting. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Most important symptoms and effects, both acute and delayed:

Causes serious eye irritation. May damage fertility or the unborn child.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

Section 5 Fire-Fighting measures

Extinguishing media:

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

Unsuitable extinguishing media: water spray

Special hazards arising from the substance or mixture Carbon oxides.

Special fire fighting methods and special protective actions for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Avoid contact with skin, eyes and clothing. Use personal protective equipment.

For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Should not be released into the environment. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

Methods for Containment and Cleaning up: Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

Additional information: Not applicable.

Section 7 Handling and storage

Precautions for safe handling:

Protective measures: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage, including any incompatibilities: Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

Specific end use(s): Not applicable.

Section 8 Exposure Controls/Personal Protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
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US ACGIH Threshold Limit Values (TLV)	Boric acid (H3BO3)	Boric acid (H3BO3)	2mg/m3	6 mg/m3	Not Available	TLV® Basis: URT irr
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EMERGENCY LIMITS:

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
Clorox 2 Stain Fighter Laundry Pre-Treater Gel for Colors	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
Glycerin	Not Available	Not Available
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	Not Available	Not Available
Boric acid (H3BO3)	Not Available	Not Available
Hexyl D-glucoside	Not Available	Not Available
Citrate, sodium, dihydrate	Not Available	Not Available

Exposure controls:

Appropriate engineering controls: Use in a well-ventilated area.

Individual protection measures, such as personal protective equipment:

Eyeface protection: Tightly fitting safety goggles.

Hand protection: Wear protective gloves.

Body protection: Wear protective clothing.

Respiratory protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Thermal hazards: Wear suitable protective clothing to prevent heat.

Environmental exposure controls: Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

Information on basic physical and chemical properties:

Appearance:	Liquid Gel
Colour:	Clear to yellow
Odour:	Citrus
Odour threshold:	Not available
pH:	7
Melting point/range (°C):	Not available
Boiling point/range (°C):	Not available
Flash point (°C):	250
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower flammability/explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available

Density:	Not available
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Soluble in water.
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Not available
Oxidising properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available

Other information:

Fat solubility(solvent– oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available
Specific gravity:	Not available

Section 10 Stability and reactivity

Reactivity:	The substance is stable under normal storage and handling conditions.
Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Incompatible materials.
Incompatible materials:	None known based on information supplied.
Hazardous decomposition products:	Carbon oxides.

Section 11 Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

Glycerin (CAS#56-81-5)

LD50(Oral, Rat): Not available

LD50(Dermal, Rabbit): > 10 g/kg

LC50(Inhalation, Rat): > 570 mg/m³ 1 h

Boric acid (H3BO3)(CAS#10043-35-3)

LD50(Oral, Rat): 2660 mg/kg

LD50(Dermal, Rabbit): > 2000 mg/kg

LC50(Inhalation, Rat): > 0.16 mg/L 4 h

Skin corrosion/Irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation

Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	May damage fertility or the unborn child
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified

Section 12 Ecological information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:	Not available.
Bioaccumulative potential:	Not available.
Mobility in soil:	Not available.
Results of PBT&vPvB assessment:	Not available.
Other adverse effects:	Very toxic to aquatic life with long lasting effects

Section 13 Disposal considerations

Waste treatment methods:	The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.
Product / Packaging disposal:	If empty container retains product residues, all label precautions must be observed. Return for reuse or dispose according to national or local regulations.

Section 14 Transport information

	Land transport(ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated
Transport hazard Class	Not regulated	Not regulated	Not regulated
Packaging group	Not regulated	Not regulated	Not regulated
Environmental hazards	NO	NO	NO
Special precautions for user	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated	Not regulated	Not regulated

Section 15 Regulation information

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

Glycerin (56-81-5) is found on the following regulatory lists	"Singapore Permissible Exposure Limits of Toxic Substances"
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides (110615-47-9) is found on the following regulatory lists	Not available.
Boric acid (H3BO3) (10043-35-3) is found on the following regulatory lists	"International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs"
Hexyl D-glucoside (54549-24-5) is found on the following regulatory lists	Not available.
Citrate, sodium, dihydrate (6132-04-3) is found on the following regulatory lists	Not available.

Section 16 Other information

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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