

Safety Data Sheet

According to SS586:2014

CLOROX FOR COLORS FLOWER MEADOW

Version 1.0

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SDS Record Number: CSSS-TCO-010-115575

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

Product identifier:

Identification on the label/Trade name: CLOROX FOR COLORS FLOWER MEADOW
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:

Liquid laundry detergent.

Uses advised against:

Not available.

Details of the supplier of the safety data sheet:

Supplier(Manufacturer): CBEE (Europe) Limited
Address: Box 4, 315 Chiswick High Road London W4 4HH
Contact person(E-mail): euregulatory@clorox.com
Telephone: +44 208 232 4809 (09:00-17:30 Mon-Thu; 09:00-17:00 Fri.)
Fax: +44 (0)705 340 1495

Emergency telephone Number:

+44 208 232 4809 (09:00-17:30 Monday – Thursday 09:00-17:00 Friday)

Available outside office hours?

YES

NO

Section 2 Hazards Identification

Classification of the substance/mixture:

GHS Classification

Skin corrosion/irritation

Category 2

Serious eye damage/eye irritation

Category 2

label elements:

Hazard Pictograms:



Signal Word(S):

Warning

Hazard Statement:

Causes skin irritation.

Causes serious eye irritation.

Precautionary statement:

Wash hand thoroughly after handling.

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

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

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 advice/attention.

Other hazards:

Not available.

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine	N/A	68584-25-8	271-532-0	1-5%
Sodium (C10-16)alkylbenzenesulfonate	N/A	68081-81-2	268-356-1	5-10%
LAURETH-4	N/A	68439-50-9	500-213-3	< 1%
Hydrogen peroxide	N/A	7722-84-1	231-765-0	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 the exposed person to fresh air at once.

In case of skin contact:

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

In case of eyes contact:

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

In case of ingestion:

Do not induce vomiting. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

Most important symptoms and effects, both acute and delayed:

Causes skin irritation. Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Fire-Fighting measures

Extinguishing media:

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Not available.

Special hazards arising from the During fire, toxic gases (CO, CO₂) are formed.

substance or mixture
Special fire fighting methods and special protective actions for fire-fighters:

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Provide adequate ventilation. Avoid inhalation of vapour or dust. Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

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

Environmental Precautions: Do not allow material to be released to the environment without proper governmental permits.

Methods for Containment and Cleaning up: Absorb spillage with suitable absorbent material. Collect in containers and seal securely. Remove containers and flush area with water.

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: Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Wash hands after handling.

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.

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
US ACGIH Threshold Limit Values (TLV)	Brenntag Hydrogen Peroxide 35-<50%	Hydrogen peroxide	1 ppm	Not Available	Not Available	TLV® Basis: Eye, URT, & skin irr

EMERGENCY LIMITS:

Ingredient	TEEL-0	TEEL-1	TEEL-2	TEEL-3
CLOROX FOR COLORS FLOWER MEADOW	Not Available	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine	Not Available	Not Available
Sodium (C10-16)alkylbenzenesulfonate	Not Available	Not Available

LAURETH-4	Not Available	Not Available
Hydrogen peroxide	Not Available	Not Available

Exposure controls:

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

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear approved, tight fitting safety glasses where splashing is probable.

Hand protection: Wear protective gloves.

Body protection: Wear protective clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

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:	Coloured liquid
Colour:	Pink
Odour:	Perfume
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	Not available
Boiling point/range (°C):	Not available
Flash point (°C):	Not available
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
Relative Density:	~ 1.0
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):	~ 100 cps
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)	Not available
etc:	
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:	Not available.
Hazardous decomposition products:	Carbon monoxide (CO). Carbon dioxide (CO ₂)

Section 11 Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: Not available

Information on toxicological effects:

Acute toxicity:

Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine (CAS#68584-25-8)

LD50(Oral, Rat): 1200 mg/kg

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): Not available

Sodium (C10-16)alkylbenzenesulfonate(CAS#68081-81-2)

LD50(Oral, Rat): 438 mg/kg

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): Not available

LAURETH-4 (CAS#68439-50-9)

LD50(Oral, Rat): > 2000 mg/kg

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

LC50(Inhalation, Rat): > 1.6 mg/l 4h

Hydrogen peroxide (CAS#7722-84-1)

LD50(Oral, Rat): 693.7 mg/kg

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

LC50(Inhalation, Rat): > 170 mg/l 4h

Skin corrosion/Irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

STOT- single exposure: Not classified

STOT-repeated exposure: Not classified

Section 12 Ecological information

Toxicity:

Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine (CAS#68584-25-8)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	1800 mg/l	96h	Fish	OECD 203	N/A	N/A
EC50	947 mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Sodium (C10-16)alkylbenzenesulfonate(CAS#68081-81-2)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	15 mg/l	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

LAURETH-4 (CAS#68439-50-9)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	0.876 mg/l	96h	Fish	OECD 203	N/A	N/A
EC50	0.53 mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	0.41 mg/l	72h	Algae	OECD 201	N/A	N/A

Hydrogen peroxide (CAS#7722-84-1)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	16.4 mg/l	96h	Fish	OECD 203	N/A	N/A
EC50	1 mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	1.38 mg/l	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: Not available.

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:

Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine (68584-25-8) is found on the following regulatory lists	Not available.
Sodium (C10-16) alkylbenzenesulfonate (68081-81-2) is found on the following regulatory lists	Not available.
LAURETH-4 (68439-50-9) is found on the following regulatory lists	Not available.
Hydrogen peroxide (7722-84-1) is found on the following regulatory lists	"Singapore Permissible Exposure Limits of Toxic Substances" "International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs" "International Air Transport Association (IATA) Dangerous Goods Regulations - Prohibited List Passenger and Cargo Aircraft"

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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