

Descaler

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 - Product identifier

Trade Descaler
name/designation
Chemical name
Product-type Mixture
Product code 600005, S60047, S60046, S60039

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

<u>Relevant identified uses</u>	- Cleaner intended to remove soap scum, limescale, calcium and rust deposits - Intended for general public. Consumer use. Use as directed.
<u>Uses advised against</u>	- Not applicable

1.3 - Details of the supplier of the safety data sheet

Norwex USA
800 W. Bethel Road, #100
75019 Coppell United States of America
(214) 614-6707 Fax(800) 694-1604
SDS contact: SDS@norwex.com

1.4 - Emergency telephone number

- INFOTRAC
North America: 1-800-535-5053; International: +1-352-323-3500
United States of America

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Eye Irrit. 2	Eye irritation - Category 2
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2.2 - Label elements

Signal word Warning

Hazard pictograms



Hazard statements

H319	Causes serious eye irritation
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Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/eye protection.

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P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P102	Keep out of reach of children.

2.3 - Other hazards

Other hazards which do not result in classification - Not applicable

2.4. - Unknown acute toxicity

Not applicable

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
citric acid	CAS No. : 77-92-9 Index No. : 607-750-00-3 EC No. : 201-069-1	15 - 20	Eye Irrit. 2 - H319 STOT SE 3 (H335) - H335	STOT SE 3 (H335) - H335 : 50<=%<100
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts INCI: Sodium C14-16 Olefin Sulfonate	CAS No. : 68439-57-6 Index No. : EC No. : 270-407-8	1 - 5	Eye Dam. 1 - H318 Skin Irrit. 2 - H315	Eye Irrit. 2 - H319 : 5<=%<38 Eye Dam. 1 - H318 : 38<=%<100

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - No special measures are necessary.

Following skin contact - Wash immediately with: Water
- When in doubt or if symptoms are observed, get medical advice.

After eye contact - After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion - When in doubt or if symptoms are observed, get medical advice.

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

Symptoms and effects - Following inhalation - None under normal use.

Symptoms and effects - Following skin contact - None under normal use.

Symptoms and effects - After eye contact - Causes serious eye irritation.

Symptoms and effects - After ingestion - None under normal use.

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

- Not applicable

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SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Water mist
- Carbon dioxide (CO₂)

Unsuitable extinguishing media

- Strong water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

- Not applicable

Hazardous decomposition products

- Not applicable

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

- Industrial Setting: Use personal protection equipment (See Section 8).

6.2 - Methods and material for containment and cleaning up

Methods and material for containment

- Stop spill at source and contain material to prevent further leakage.

Methods and material for cleaning up

- Household setting: Small spills can be disposed of in normal household trash.
- Industrial Setting: Use personal protection equipment. Dispose of waste in accordance with all applicable local, state, and federal regulations

Inappropriate techniques

- Not applicable

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Household Setting: Use as directed on product label.
- Industrial Setting: Use personal protection equipment (See Section 8).

Advices on general occupational hygiene

- Wash hands before breaks and after work.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep out of reach of children. Store in original container in a dry, cool area. Keep container closed when not in use.

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

- No data available.

8.2 - Exposure controls

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Appropriate engineering controls

- No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Individual protection measures, such as personal protective equipment

- Spectacles with side protection.



- Wear protective gloves.



SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u> <u>Colour</u>	<u>Liquid</u> colourless	<u>Appearance</u> <u>Odour</u>	<u>Clear</u> odourless
Odour threshold		No data available	
pH		$2 < V < 3$	
Melting point		0 °C	
Freezing point		0 °C	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		$1.05 < V < 1.1$	
Density		No data available	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	
<u>Particle characteristics</u>			
Particle size		No data available	
Dustiness		No data available	
Specific surface area		No data available	

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Shape	No data available
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9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available
VOC Composite Partial Pressure (Calculated @ 20°C/68°F)	No data available
C.A.R.B. V.O.C.	No data available
% Photo Chemically Reactive	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- None known.

10.5 - Incompatible materials

- Household Setting: Cleaning products should not be mixed with other household chemicals. Always follow the instructions for use and safe handling on the product label.
- Industrial Setting: None known.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on hazard classes

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- These values (if present) are sourced from scientific literature. This data is not generated by Norwex or on Norwex's behalf. Norwex uses alternative, non-animal based methods and scientific literature to determine the safety of our products.

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Toxicity : Substances

citric acid (77-92-9)	
LD50 oral (rat)	> 5400 mg/kg
LD50 dermal (rat)	> 2000 mg/kg
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)	
LD50 oral (rat)	2079 mg/kg < V < 2340 mg/kg
LD50 dermal (rat)	6300 mg/kg < V < 16000 mg/kg
LC50 inhalation (rat)	52 ppmV < V < 206 ppmV

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation

- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

- Not applicable.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6)	
EC50 48 hr crustacea	4.53 mg/l

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LC50 96 hr fish	3.5 mg/l < V < 5 mg/l
ErC50 algae	3.2 mg/l < V < 5.2 mg/l
NOEC chronic crustacea	6.3 mg/l
NOEC chronic algae	3.9 mg/l

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- Not applicable

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- Not applicable

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- Dispose of waste according to applicable legislation.
<u>Special precautions for waste treatment</u>	- Not applicable
<u>Community or national or regional provisions</u>	- Dispose of waste in accordance with local, regional or national requirements.

SECTION 14: Transport information

14.1 - UN number or ID 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

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Not applicable

14.7 - Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

US federal regulation

VOC content No data available

Components not listed in TSCA Orange, sweet, ext. (Index No.: - EC No.: 232-433-8 - CAS No.: 8028-48-6)

US State regulations

Substances California PL 65 None

Other regulations, restrictions and prohibition regulations

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	6/6/2024		

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