



SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II

Cif cream lemon

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

1.1 Product identifier

Product name Cif cream lemon
Product code 8201987
Product description Liquid Abrasive Cleaner

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

Industrial uses: Uses of substances as such or in preparations at industrial sites

Consumer uses: Private households (= general public = consumers)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

1.3 Details of the supplier of the safety data sheet

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Unilever UK Limited
Springfield Drive Surrey, Leatherhead
UNITED KINGDOM
KT22 7GR

**e-mail address of person
responsible for this SDS** unileversds@unileverconsumerlink.co.uk

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number Not applicable in United Kingdom and Ireland

Supplier

Telephone number 0800 776646/Eire 1850 388 399

Hours of operation -

2. Hazards identification

2.1 Classification of the substance or mixture

Product definition Mixture

Classification according to Directive 1999/45/EC [DPD]

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification Not classified.

Physical/chemical hazards Not applicable.

Physical/chemical hazards

Human health hazards Not applicable.

Environmental hazards Not applicable.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Safety phrases

- AISE 1: Keep away from children
- AISE 2 :Keep away from eyes. If product gets into eyes rinse thoroughly with water

Supplemental label elements Contains Limonene. May produce an allergic reaction.

Special packaging requirements

Containers to be fitted with child-resistant fastenings Not applicable.

Tactile warning of danger

Not applicable.

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII Not applicable.

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Other hazards which do not result in classification

Not applicable.

Not available.

Not available.

Not available.

Not available.

Not available.

3. Composition/information on ingredients

Substance/mixture : Mixture

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Calcium carbonate	RRN : EC:207-439-9 CAS : 471-34-1 Index:	5 - 10			[2]
*) sodium benzenesulfonate C10-13	RRN : 01- 2119489428-22	5 - 10	Xn; R22 Xi; R41	Acute Tox., 4, H302 Eye Dam./Irrit., 1,	[1]

alkyl derivs.	EC:246-680-4 CAS : 25155-30-0 Index:		R38	H318 Skin Corr./Irrit., 2, H315	
Sodium carbonate	RRN : 01- 2119485498-19 EC:207-838-8 CAS : 497-19-8 Index:	1 - 5	Xi; R36	Eye Dam./Irrit., 2, H319	[1]
C12-15 Pareth-5	RRN : EC: CAS : 68131-39-5 Index:	1 - 5	Xi; R41 N; R50	Aquatic Acute, 1, H400 Eye Dam./Irrit., 1, H318	[1]
Limonene	RRN : EC:227-813-5 CAS : 5989-27-5 Index:	0.1 - 1	R10 Xi; R38 R43 N; R50/53	Asp. Tox., 1, H304 Flam. Liq., 3, H226 Aquatic Chronic, 1, H410 Aquatic Acute, 1, H400 Skin Sens., 1, H317 Skin Corr./Irrit., 2, H315	[1]

Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

See Section 16 for the full text of the R phrases or H statements declared above.

Occupational exposure limits, if available, are listed in Section 8. For confidentiality reasons, the levels of components listed in Section 3 are given in percentage bands. The bandings do not reflect potential variation in composition of this formulation, but are used simply to mask the exact component levels, which we consider to be proprietary information. The classification given in Section 2 and 15 reflects the exact composition of this mixture.

* exempted according to REACH Art. 2(7) and Annex V; Each starting material of the ionic mixture is registered, if required

4. First aid measures

4.1 Description of first aid measures

Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.

Inhalation

Keep person warm and at rest.

Skin contact

Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.

Ingestion

Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Wash out mouth with water.

Protection of first-aiders

No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact

May cause eye irritation.

Inhalation

No known significant effects or critical hazards.

Skin contact

May cause skin irritation.

Ingestion

May be irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact

Adverse symptoms may include the following:

redness

Inhalation

No specific data.

Skin contact

No specific data.

Ingestion

No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

No specific treatment.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products

No specific data.

5.3 Advice for firefighters

Special precautions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Additional information

Not available.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on

suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2 Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

7. Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Recommendations

Not available

Industrial sector specific solutions

Not available

8. Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

<u>Product/ingredient name</u>	<u>Occupational exposure limits</u>
Calcium carbonate	<p>EH40/2005 WELs (1997-01-01) Notes: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg/m³ 8-hour TWA of inhalable dust or 4 mg/m³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Advice on control is given in EH44 and in the great majority of workplaces reasonable control measures will normally keep exposure below these levels. However some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Most of industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Where dusts contain components that have their own assigned workplace exposure limits, all the relevant limits should be complied with. For the purposes of these limits, respirable dust and inhalable dust are those fractions of the airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, as amended by the ISO/CEN convention.</p> <p>Time Weighted Average (TWA) 10 mg/m³ Form: Inhalable dust</p> <p>EH40/2005 WELs (1997-01-01) Notes: Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg/m³ 8-hour TWA of inhalable dust or 4 mg/m³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Advice on control is given in EH44 and in the great majority of workplaces reasonable control measures will normally keep exposure below these levels. However some dusts have been assigned specific WELs and</p>

exposure to these must comply with the appropriate limit. Most of industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS 14/3. Where dusts contain components that have their own assigned workplace exposure limits, all the relevant limits should be complied with. For the purposes of these limits, respirable dust and inhalable dust are those fractions of the airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust, as amended by the ISO/CEN convention.

Time Weighted Average (TWA) 4 mg/m³ Form: Respirable dust

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

8.2 Exposure controls

Appropriate engineering controls

If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Individual protection measures

Hygiene measures

Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Industrial use
Wear eye protection.

Skin protection

Hand protection

For industrial use

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product., For industrial use, Wear suitable protective clothing., Avoid prolonged or repeated contact with skin.

Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

A respirator is not needed under normal and intended conditions of product use. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form	liquid	
Color	Not available	
Odor	Characteristic.	
Odor threshold	Not available	
pH	11.0	
Melting point/freezing point	Not available.	
Initial boiling point and boiling range	Not available.	
Flash point	Non-flammable.	
Evaporation rate	Not available	
Flammability (solid, gas)	Not available	
Density	Not available	
Bulk density	Not available	
Solubility in water at room temperature (g/l):	Not available	
Upper/lower flammability or explosive limits	Lower: Not available. Upper: Not available.	
Vapor pressure	Not available.	
Vapor density	Not available	
Relative density	Not available	
Solubility(ies)	Not available	
Partition coefficient: n-octanol/water	Not available	

Auto-ignition Not available

temperature

Viscosity Dynamic: 600.000 mPa.s

Kinematic: Not available.

Explosive properties Not available

Oxidizing properties Not available

9.2 Other information

SADT Not available

Type of aerosol Not available

Heat of combustion Not available.

10. Stability and reactivity

10.1 Reactivity No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability The product is stable.

10.3 Possibility of hazardous reactions Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid No specific data.

10.5 Incompatible materials No specific data.

10.6 Hazardous decomposition Under normal conditions of storage and use, hazardous decomposition products should not be produced.

products

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 (ingestion) > 2,000 mg/kg

Irritation/Corrosion

Eyes

Contains a substance considered irritating to eyes, but below threshold for classification.

Skin

Contains a substance considered irritating to skin, but below threshold for classification.

Sensitization

Considered to be a low skin sensitiser. Contains a substance that may cause skin sensitisation, but is below threshold for classification.

Respiratory

No inhalation irritancy studies have been performed on the mixture. Based on the composition as indicated in section 3, it is not likely that this mixture will cause irritation of the respiratory tract.

Repeated dose toxicity

not available

Carcinogenicity

No known significant effects or critical hazards.

Mutagenicity

No known significant effects or critical hazards.

Toxicity for reproduction

No known significant effects or critical hazards.

12: Ecological information

12.1 Toxicity

No ecological testing on the mixture has been performed. Contains a substance considered very toxic to aquatic organisms, but below threshold for classification

12.2 Persistence and degradability

The surfactants used in this mixture are readily biodegradable.

The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

Not considered to be bioaccumulating in the environment
BCF

12.4 Mobility in soil

Mixture is highly soluble

12.5 Results of PBT and vPvB assessment

No known significant effects or critical hazards.

13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste

The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain

some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

	ADR/RID	ADN/ADNR	IMDG
14.1 UN number			
14.2 UN proper shipping name			
14.3 Transport hazard class(es)	Not regulated.	Not regulated.	Not regulated.
14.4 Packing group			
14.5. Environmental hazards			
14.6 Special precautions for user	Not available	Not available	Not available
Additional information			

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available.

15. Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Substances of very high concern

Carcinogen: None of the components are listed.

Mutagen: None of the components are listed.

Toxic to reproduction: None of the components are listed.

PBT: None of the components are listed.

vPvB: None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.

Other EU regulations

Europe inventory

Not determined.

Integrated pollution prevention and control list (IPPC) - Air-

Not listed

Integrated pollution prevention and control list (IPPC) - Water-

Not listed

Aerosol dispensers**National regulations**

Remark This product has been classified in accordance with Dangerous Preparations Directive (1999/45/EC as amended).

International regulations

15.2 Chemical Safety Assessment This product contains substances for which Chemical Safety Assessments are still required.

16. Other information**Abbreviations and acronyms**

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

Key literature references and

The acute toxicity (LD50) of this mixture, as given in section 11, has been calculated using the Proportionality Method (Holland, G.H. (1994). Verification of a Mathematical Method for the Estimation of the Acute

sources for data	Ingestion Hazard of Detergent Preparations. Toxic in Vitro, Vol. 8 No. 6 pp1177 – 1183, Elsevier Science Limited, Wielka Brytania.)
Full text of abbreviated	H302 Harmful if swallowed.
H statements	H400 Very toxic to aquatic life. H318 Causes serious eye damage. H319 Causes serious eye irritation. H315 Causes skin irritation. H304 May be fatal if swallowed and enters airways. H226 Flammable liquid and vapor. H410 Very toxic to aquatic life with long lasting effects. H317 May cause an allergic skin reaction.
Full text of classifications [CLP/GHS]	Acute Tox. 4, H302: ACUTE TOXICITY: ORAL - Category 4 Aquatic Acute 1, H400: AQUATIC TOXICITY (ACUTE) - Category 1 Eye Dam./Irrit. 1, H318: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 Eye Dam./Irrit. 2, H319: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 Skin Corr./Irrit. 2, H315: SKIN CORROSION/IRRITATION - Category 2 Asp. Tox. 1, H304: ASPIRATION HAZARD - Category 1 Flam. Liq. 3, H226: FLAMMABLE LIQUIDS - Category 3 Aquatic Chronic 1, H410: AQUATIC TOXICITY (CHRONIC) - Category 1 Skin Sens. 1, H317: SKIN SENSITIZATION - Category 1
Full text of abbreviated	R10- Flammable.
R phrases	R22- Harmful if swallowed. R41- Risk of serious damage to eyes. R36- Irritating to eyes. R38- Irritating to skin. R36/38- Irritating to eyes and skin. R43- May cause sensitization by skin contact. R50- Very toxic to aquatic organisms.

R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications [DSD/DPD]

Xn - Harmful

Xi - Irritant

N - Dangerous for the environment.

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Notice to reader

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