

# Safety Data Sheet



Revision Date 07-Nov-2017  
Version 2.01

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

### 1.1 Product identifier

Product name Leather Cleaner

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

Recommended Use Professional Upholstery Cleaning

### 1.3 Details of the supplier of the safety data sheet

Supplier Legend Brands Europe  
Chemspec  
22 Plover Close Interchange Park  
Newport Pagnell MK16 9PS, UK  
+44 (0) 1908 611211

Manufacturer Legend Brands  
Chemspec  
15180 Josh Wilson Road  
Burlington, WA 98233  
800-932-3030

For further information, please contact: [msds@chemspecworld.com](mailto:msds@chemspecworld.com)

### 1.4 Emergency telephone number

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 9 471 977  
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  
Luxembourg 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 21 330 3284  
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

## 2. Hazards identification

**2.1 Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

<b>Skin corrosion/irritation</b>	Category 2 - (H315)
<b>Skin sensitization</b>	Category 1 - (H317)
<b>Chronic aquatic toxicity</b>	Category 2 - (H411)

**2.2 Label elements****Signal Word**

Warning

**Hazard Statements**

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H411 - Toxic to aquatic life with long lasting effects

**Precautionary Statements - EU (§28, 1272/2008)**

P280 - Wear eye protection/ face protection

Contains D-limonene

**2.3. Other Hazards**

No information available

**3. Composition/information on ingredients****3.1 Substances**

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

**3.2 Mixtures**

Chemical Name	EC-No	CAS No.	Weight-%	Classification (1272/2008/EC)	REACH Registration Number
D-limonene	227-813-5	5989-27-5	10 - 25	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam Liq. 3 (H226)	no data available
OLEIC ACID	204-007-1	112-80-1	2.5 - 10	no data available	no data available
Triethanolamine	203-049-8	102-71-6	< 1	no data available	01-2119486482-31-XX XX
Diethanolamine	203-868-0	111-42-2	< 0.1	Acute Tox. 4 (H302) Skin Irrit. 2 (H315)	no data available

				Eye Dam. 1 (H318) STOT RE 2 (H373)	
ETHYL ACRYLATE	205-438-8	140-88-5	< 0.1	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225)	no data available

**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

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.
<b>Eye contact</b>	Remove contact lenses, if present. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Ingestion</b>	Gently wipe or rinse the inside of the mouth with water.

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

<b>Symptoms</b>	No information available.
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### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	Treat symptomatically.
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## 5. Fire-Fighting Measures

### 5.1 Extinguishing media

**Suitable extinguishing media**  
Water spray, Foam, Dry powder.

**Extinguishing media which shall not be used for safety reasons**  
No information available.

### 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions.

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**Personal precautions**

Use personal protective equipment.

### Advice for emergency responders

For personal protection see section 8.

## 6.2 Environmental precautions

Dike to collect large liquid spills.

## 6.3 Methods and materials for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 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** Wear personal protective equipment.

**Hygiene measures** When using, do not eat, drink or smoke.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage Conditions

Use only in area provided with appropriate exhaust ventilation. Keep tightly closed in a dry and cool place.

## 7.3 Specific end uses

### Specific use(s)

No information available

### Exposure scenario

No information available.

# 8. Exposure controls/personal protection

## 8.1 Control parameters

### Exposure Limit Values

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
D-limonene 5989-27-5					TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup>	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>
Triethanolamine 102-71-6		STEL 1.6 ppm STEL 10 mg/m <sup>3</sup> TWA: 0.8 ppm TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 0.5 ppm TWA: 3.1 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	
Diethanolamine 111-42-2		Skin STEL 0.92 ppm STEL 4 mg/m <sup>3</sup> TWA: 0.46 ppm TWA: 2 mg/m <sup>3</sup>	TWA: 0.46 ppm TWA: 2 mg/m <sup>3</sup> S*	TWA: 0.46 ppm TWA: 2 mg/m <sup>3</sup> Skin	TWA: 0.46 ppm TWA: 2 mg/m <sup>3</sup> Skin	TWA: 3 ppm TWA: 15 mg/m <sup>3</sup>
ETHYL ACRYLATE		Skin	TWA: 5 ppm	TWA: 5 ppm	TWA: 5 ppm	TWA: 5 ppm

140-88-5		STEL 10 ppm STEL 40 mg/m <sup>3</sup> TWA: 5 ppm TWA: 20 mg/m <sup>3</sup>	TWA: 21 mg/m <sup>3</sup> STEL: 10 ppm STEL: 42 mg/m <sup>3</sup>	TWA: 21 mg/m <sup>3</sup> Skin	TWA: 21 mg/m <sup>3</sup> STEL: 10 ppm STEL: 42 mg/m <sup>3</sup> Skin	TWA: 21 mg/m <sup>3</sup> STEL: 42 mg/m <sup>3</sup> STEL: 10 ppm
<b>Chemical Name</b>	<b>Germany</b>	<b>Iceland</b>	<b>Ireland</b>	<b>Italy</b>	<b>Luxembourg</b>	<b>The Netherlands</b>
D-limonene 5989-27-5	TWA: 5 ppm TWA: 28 mg/m <sup>3</sup> Skin					
OLEIC ACID 112-80-1	Skin					
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> Ceiling: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>		
Diethanolamine 111-42-2	TWA: 1 mg/m <sup>3</sup> Skin	TWA: 0.46 ppm TWA: 2 mg/m <sup>3</sup> S* Ceiling: 0.92 ppm Ceiling: 4 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup>		
ETHYL ACRYLATE 140-88-5	TWA: 5 ppm TWA: 21 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 21 mg/m <sup>3</sup> S* Ceiling: 10 ppm Ceiling: 42 mg/m <sup>3</sup> STEL: 10 ppm STEL: 42 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 20 mg/m <sup>3</sup> STEL: 10 ppm STEL: 41 mg/m <sup>3</sup> Skin	STEL: 15 ppm STEL: 61 mg/m <sup>3</sup> TWA: 5 ppm TWA: 20 mg/m <sup>3</sup>	STEL: 42 mg/m <sup>3</sup> STEL: 10 ppm TWA: 21 mg/m <sup>3</sup> TWA: 5 ppm	STEL: 42 mg/m <sup>3</sup> TWA: 21 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Norway</b>	<b>Portugal</b>	<b>Spain</b>	<b>Sweden</b>	<b>Switzerland</b>	<b>The United Kingdom</b>
D-limonene 5989-27-5	TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>				STEL: 14 ppm STEL: 80 mg/m <sup>3</sup> TWA: 7 ppm TWA: 40 mg/m <sup>3</sup>	
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	LLV: 5 mg/m <sup>3</sup> LLV: 0.8 ppm S* STV: 10 mg/m <sup>3</sup> STV: 1.6 ppm	STEL: 20 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	
Diethanolamine 111-42-2	TWA: 3 ppm TWA: 15 mg/m <sup>3</sup> STEL: 6 ppm STEL: 22.5 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>	S* TWA: 0.46 ppm TWA: 2 mg/m <sup>3</sup>	LLV: 3 ppm LLV: 15 mg/m <sup>3</sup> S* STV: 6 ppm STV: 30 mg/m <sup>3</sup>	Skin STEL: 1 mg/m <sup>3</sup> TWA: 1 mg/m <sup>3</sup>	
ETHYL ACRYLATE 140-88-5	TWA: 5 ppm TWA: 21 mg/m <sup>3</sup> Skin STEL: 10 ppm STEL: 42 mg/m <sup>3</sup>	STEL: 10 ppm STEL: 42 mg/m <sup>3</sup> TWA: 5 ppm TWA: 21 mg/m <sup>3</sup>	STEL: 10 ppm STEL: 42 mg/m <sup>3</sup> TWA: 5 ppm TWA: 21 mg/m <sup>3</sup>	LLV: 5 ppm LLV: 20 mg/m <sup>3</sup> S* STV: 10 ppm STV: 40 mg/m <sup>3</sup>	STEL: 10 ppm STEL: 40 mg/m <sup>3</sup> TWA: 5 ppm TWA: 20 mg/m <sup>3</sup>	STEL: 10 ppm STEL: 42 mg/m <sup>3</sup> TWA: 5 ppm TWA: 21 mg/m <sup>3</sup>

TWA: Time weighted average  
 STEL: Short term exposure limit  
 LLV: Exposure Limit Values  
 STV: Short Term Value

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

## 8.2 Exposure controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

**Eye/Face Protection**

Safety glasses with side-shields.

**Hand Protection**

Rubber/latex/neoprene or other suitable chemical resistant gloves.

**Skin and body protection**

Long sleeved clothing.

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment. Breathing apparatus with filter.

**Hygiene measures** When using, do not eat, drink or smoke.

**Environmental Exposure Controls** No information available.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	No information available
<b>Color</b>	White
<b>Odor</b>	Floral
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	8.0	
Melting/freezing point		No information available
Boiling point/boiling range		No information available
Flash Point	66 °C / 151 °F	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		
upper flammability limit		No information available
lower flammability limit		No information available
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	0.941	
Water solubility		No information available
Solubility in other solvents		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Viscosity, kinematic		No information available
Viscosity, dynamic		No information available
Explosive properties		No information available
Oxidizing Properties		No information available

### 9.2 Other information

<b>Volatile organic compounds (VOC) content</b>	15%
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## 10. Stability and Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to Avoid

Direct sources of heat.

### 10.5 Incompatible Materials

Strong oxidizing agents

### 10.6 Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Product Information

The product itself has not been tested.

<b>Inhalation</b>	There are no data available for this product.
<b>Eye contact</b>	There are no data available for this product.
<b>Skin contact</b>	There are no data available for this product.
<b>Ingestion</b>	There are no data available for this product.

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

<b>ATEmix (oral)</b>	16,074.00 mg/kg
<b>ATEmix (dermal)</b>	16,340.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	40.85 mg/l
<b>ATEmix (inhalation-vapor)</b>	163.00 mg/l

#### Unknown Acute Toxicity

- < 1% of the mixture consists of ingredient(s) of unknown toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
D-limonene	4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## 12. Ecological information

### 12.1 Toxicity

Toxic to aquatic life with long lasting effects

1.5519999 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

#### Ecotoxicity effects

No information available

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
D-limonene		LC50: 96 h Pimephales promelas 0.619 - 0.796 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 35 mg/L	
OLEIC ACID		LC50: 96 h Pimephales promelas 205 mg/L static	
Triethanolamine	EC50: 72 h Desmodesmus subspicatus 216 mg/L EC50: 96 h Desmodesmus subspicatus 169 mg/L	LC50: 96 h Pimephales promelas 10600 - 13000 mg/L flow-through LC50: 96 h Pimephales promelas 1000 mg/L static LC50: 96 h Lepomis macrochirus 450 - 1000 mg/L static	
Diethanolamine	EC50: 72 h Desmodesmus subspicatus 7.8 mg/L EC50: 96 h Pseudokirchneriella subcapitata 2.1 - 2.3 mg/L	LC50: 96 h Pimephales promelas 4460 - 4980 mg/L flow-through LC50: 96 h Pimephales promelas 1200 - 1580 mg/L static LC50: 96 h Lepomis macrochirus 600 - 1000 mg/L static	EC50: 48 h Daphnia magna 55 mg/L
ETHYL ACRYLATE	EC50: 72 h Desmodesmus subspicatus 48 mg/L	LC50: 96 h Oncorhynchus mykiss 4.6 mg/L LC50: 96 h Pimephales promelas 2.31 - 2.7 mg/L flow-through	EC50: 48 h Daphnia magna 7.9 mg/L

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
Triethanolamine	-2.53



Leather Cleaner

Diethanolamine	-2.18
ETHYL ACRYLATE	1.18

#### 12.4 Mobility in soil

##### **Mobility in soil**

No information available.

##### **Mobility**

No information available.

#### 12.5 Results of PBT and vPvB assessment

No information available.

#### 12.6 Other adverse effects.

No information available.

### 13. Disposal Considerations

#### 13.1 Waste treatment methods

##### **Waste from residues / unused products**

If recycling is not practicable, dispose of in compliance with local regulations.

##### **Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

##### **Other information**

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

### 14. Transport Information

#### ADR

14.1 UN	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

#### IMDG

14.1 UN	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Marine pollutant	Not applicable
14.6 Special Provisions	None
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code	No information available

#### IATA

14.1 UN	Not regulated
14.2 Proper shipping name	Not regulated
14.3 Hazard class	Not regulated
14.4 Packing Group	Not regulated
14.5 Environmental hazard	Not applicable

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**14.6 Special Provisions** None

## 15. Regulatory information

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

#### National regulatory information

##### Germany

Chemical Name	French RG number	Title
D-limonene 5989-27-5	RG 84	-
Triethanolamine 102-71-6	RG 49	-
Diethanolamine 111-42-2	RG 49, RG 49bis	-
ETHYL ACRYLATE 140-88-5	RG 65	-

#### 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

#### **Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### **Persistent Organic Pollutants**

Not applicable

#### International Inventories

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	-
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies
<b>NZIoC</b>	-

#### Legend

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

### 15.2 Chemical Safety Assessment

No information available

## 16. Other information

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H373 - May cause damage to organs through prolonged or repeated exposure if inhaled  
H312 - Harmful in contact with skin  
H332 - Harmful if inhaled  
H319 - Causes serious eye irritation  
H317 - May cause an allergic skin reaction  
H335 - May cause respiratory irritation  
H225 - Highly flammable liquid and vapor  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects  
H226 - Flammable liquid and vapor

**Revision Date** 07-Nov-2017

**Revision Note** Not Applicable.

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

**Disclaimer**

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

**End of Safety Data Sheet**