

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 5790 Industry cleaner citrus Spray 400 ml

Revision date: 01.02.2023

Product code: 92698

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

### 1.1. Product identifier

5790 Industry cleaner citrus Spray 400 ml

UFI: DJQ8-089J-Y002-GG2R

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

#### Use of the substance/mixture

Maintainer, flammable, containing solvents

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

Company name:	Kisling Deutschland GmbH	
Street:	Salzstraße 15	
Place:	D-74676 Niedernhall	
Telephone:	+49 7940 5096161	
E-mail:	info@kisling.com	
Contact person:	Isabel Winter	Telephone: +49 7941 92054087
E-mail:	info@kisling.com	
Internet:	www.kisling.com	

### 1.4. Emergency telephone number:

24 hr. emergency phone number +1 872 5888271 (KAR)  
Medicines & Poisons Info Office +356 2545 6508

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Aerosol 1; H222-H229  
Asp. Tox. 1; H304  
Skin Irrit. 2; H315  
Skin Sens. 1; H317  
STOT SE 3; H336  
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Hazard components for labelling

Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane  
d-limonene

Signal word: Danger

Pictograms:



#### Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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#### Precautionary statements

- P102 Keep out of reach of children.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### Labelling of packages where the contents do not exceed 125 ml

**Signal word:** Danger

**Pictograms:**


#### Hazard statements

H222-H229-H317-H336

#### Precautionary statements

P102-P210-P211-P251-P410+P412

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Stripper, other

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64742-49-0	Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane			30 - < 50 %
	921-024-6		01-2119475514-35	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
5989-27-5	d-limonene			5 - < 15 %
	227-813-5	601-029-00-7	01-2119529223-47	
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H304 H400 H410			
124-38-9	carbon dioxide			1 - < 5 %
	204-696-9			
	Compressed gas; H280			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-49-0	921-024-6	Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane	30 - < 50 %
		inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	
5989-27-5	227-813-5	d-limonene	5 - < 15 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 2000 mg/kg	

#### Labelling for contents according to Regulation (EC) No 648/2004

&gt;= 30 % aliphatic hydrocarbons, perfumes (Limonene).

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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### General information

Never give anything by mouth to an unconscious person or a person with cramps. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

###### After inhalation

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

###### After contact with skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice/attention.

###### After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), Dry extinguishing powder, Foam.

###### Unsuitable extinguishing media

Full water jet.

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

In case of fire and/or explosion do not breathe fumes.

##### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

###### Additional information

Do not allow to enter into surface water or drains.

#### SECTION 6: Accidental release measures

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

###### General advice

Remove all sources of ignition. Provide adequate ventilation.

##### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

##### 6.3. Methods and material for containment and cleaning up

###### Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

###### Advice on safe handling

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Flammable vapours can accumulate in head space of closed systems. Caution! Transport usually takes place at temperatures above the flash point.

###### Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

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#### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately.  
When using do not eat or drink.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

##### Hints on joint storage

Do not store together with: Material, oxygen-rich, Oxidising, Pyrophoric or self-heating substances.

##### Further information on storage conditions

Keep away from heat.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
124-38-9	Carbon dioxide	5000	9000		TWA (8 h)	

#### DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
64742-49-0	Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane			
Worker DNEL, long-term		inhalation	systemic	2035 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	773 mg/kg bw/day
5989-27-5	d-limonene			
Worker DNEL, long-term		inhalation	systemic	66,7 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	9,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	16,6 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	4,8 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	4,8 mg/kg bw/day

#### PNEC values

CAS No	Name of agent	Value
5989-27-5	d-limonene	
Freshwater		0,014 mg/l
Marine water		0,0014 mg/l
Freshwater sediment		3,85 mg/kg
Marine sediment		0,385 mg/kg
Secondary poisoning		133 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,8 mg/l
Soil		0,763 mg/kg

### 8.2. Exposure controls

#### Appropriate engineering controls

No data available

#### Individual protection measures, such as personal protective equipment

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#### Eye/face protection

Wear eye/face protection.

#### Hand protection

Wear protective gloves.

Breakthrough times and swelling properties of the material must be taken into consideration.

NR (natural rubber, Natural latex) &gt; 0,4 mm, Breakthrough time: &gt; 480 min EN ISO 374

#### Skin protection

Wear suitable protective clothing. Wear anti-static footwear and clothing

#### Respiratory protection

Use suitable breathing apparatus. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

#### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Aerosol	
Colour:	colourless	
Odour:	characteristic	
Melting point/freezing point:		No data available
Lower explosion limits:		0,7 vol. %
Upper explosion limits:		8,1 vol. %
Flash point:		<0 °C
Auto-ignition temperature:		237 °C
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.	
Density (at 20 °C):		0,72 g/cm <sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

Thermal decomposition can lead to the escape of irritating gases and vapours. Exothermic reaction with:

Oxidising agent, strong. . Alkali (lye)

### 10.4. Conditions to avoid

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 10.5. Incompatible materials

Oxidising agent, strong. . Alkali (lye)

### 10.6. Hazardous decomposition products

Hazardous decomposition products: Carbon dioxide (CO<sub>2</sub>) Carbon monoxide Nitrogen oxides (NO<sub>x</sub>)

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Toxicokinetics, metabolism and distribution

No data available

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#### Acute toxicity

Based on available data, the classification criteria are not met.

#### ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-49-0	Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane				
	oral	LD50 >5000 mg/kg	Rat		OECD 401
	dermal	LD50 >2000 mg/kg	Rat		OECD 402
	inhalation (4 h) vapour	LC50 >20 mg/l	Rat		OECD 403
5989-27-5	d-limonene				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2010)	OECD Guideline 423
	dermal	LD50 > 5000 mg/kg	Rabbit	REACH Registration Dossier	

#### Irritation and corrosivity

Causes skin irritation.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

May cause an allergic skin reaction. (d-limonene)

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons C6-C7 n-alkanes - isoalkanes - cyclics - <5% n-hexane)

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

May be fatal if swallowed and enters airways.

#### Specific effects in experiment on an animal

No data available

#### Additional information on tests

No data available

#### Practical experience

May be harmful if swallowed, in contact with skin or if inhaled.

### 11.2. Information on other hazards

#### Other information

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
5989-27-5	d-limonene					
	Acute fish toxicity	LC50 mg/l	0,72	96 h	Pimephales promelas	REACH Registration Dossier
	Acute algae toxicity	ErC50 mg/l	0,32	72 h	Raphidocelis subcapitata	REACH Registration Dossier
	Acute crustacea toxicity	EC50 mg/l	0,307	48 h	Daphnia magna	Study report (2013)
	Fish toxicity	NOEC mg/l	0,37	8 d	Pimephales promelas	REACH Registration Dossier
	Crustacea toxicity	NOEC mg/l	0,08	21 d	Daphnia magna	REACH Registration Dossier
	Acute bacteria toxicity	(EC50 mg/l)	209	3 h		REACH Registration Dossier

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No data available

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
5989-27-5	d-limonene	4,38

#### BCF

CAS No	Chemical name	BCF	Species	Source
5989-27-5	d-limonene	864,8	no data	REACH Registration D

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

No data available The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No data available

#### Further information

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Dispose of waste according to applicable legislation.

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#### List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

#### List of Wastes Code - used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste


#### Contaminated packaging

Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

### SECTION 14: Transport information

#### Land transport (ADR/RID)


**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0  
Transport category: 2  
Tunnel restriction code: D

#### Inland waterways transport (ADN)


**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 959



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Limited quantity: 1000 mL  
Excepted quantity: E0  
EmS: F-D, S-U

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, flammable  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1



Special Provisions: A145 A167 A802  
Limited quantity Passenger: 30 kg G  
Passenger LQ: Y203  
Excepted quantity: E0  
IATA-packing instructions - Passenger: 203  
IATA-max. quantity - Passenger: 75 kg  
IATA-packing instructions - Cargo: 203  
IATA-max. quantity - Cargo: 150 kg

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 29, Entry 40

2010/75/EU (VOC): 100 % (720 g/l)

#### National regulatory information

Water hazard class (D): 3 - highly hazardous to water

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

#### Abbreviations and acronyms

Aerosol: Aerosols  
Compressed gas: Compressed gas  
Flam. Liq: Flammable liquid  
Asp. Tox: Aspiration hazard  
Skin Irrit: Skin irritation  
Skin Sens: Skin sensitisation  
STOT SE: Specific target organ toxicity - single exposure  
Aquatic Acute: Acute aquatic hazard  
Aquatic Chronic: Chronic aquatic hazard

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#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Bridging principle "Aerosols"
Skin Sens. 1; H317	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"
Aquatic Chronic 2; H411	Calculation method

#### Relevant H and EUH statements (number and full text)

H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

#### Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Solvent	IS, PW	-	9a, 35	7, 8a, 10, 19, 28	4, 8d	-	38, 105	
2	Washing and cleaning products	IS, PW, C	-	35	7, 11, 19, 28	4, 8d	-	105	

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*