

LS FILLER

Creation date	25th March 2020	Version	1.0
Revision date			

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

- 1.1. Product identifier**
 Substance / mixture: LS FILLER
 mixture
 Number: 1 35210
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
 Mixture's intended use: Filler.
 Mixture uses advised against: For professional use only.
- 1.3. Details of the supplier of the safety data sheet**
- Supplier**
 Name or trade name: RETECH, s.r.o.
 Address: Vackova 1541/4, Praha 5 - Stodůlky, 155 00
 Czech Republic
 Identification number (CRN): 25018205
 VAT Reg No: CZ25018205
 Phone: +420327596428
 E-mail: info@retech.cz
 Web address: www.retech.com
- Competent person responsible for the safety data sheet**
 Name: RETECH, s.r.o.
 E-mail: info@retech.cz
- 1.4. Emergency telephone number**
 RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic; Telephone number: +420 327 596 128 (7.30-16.00 hour)
 Poisoning information centre, Na Bojišti 1, Praha, Czech Republic, Tel.: non-stop +420 224 919 293 or +420 224 915 402, Information on health risks only - acute poisoning of humans and animals.

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
 The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.
 Full text of all classifications and hazard statements is given in the section 16.
- 2.2. Label elements**
 none
- 2.3. Other hazards**
 Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Avoid the formation or spread of mists in the air. When intruding eyes, it can evoke irritation. Do not inhale dust. May cause respiratory irritation. Danger of slipping on spilled product.

SECTION 3: Composition/information on ingredients

- 3.2. Mixtures**
Chemical characterization
 Mixture of substances and additives specified below.
Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
CAS: 7631-86-9 EC: 231-545-4	silicon dioxide	<75		1

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
CAS: 1313-59-3 EC: 215-208-9	Disodium oxide	<15	Skin Corr. 1B, H314 EUH 014	
CAS: 1305-78-8 EC: 215-138-9	calcium-oxide	<12	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	1
CAS: 1309-48-4 EC: 215-171-9	magnesium oxide	<5		1
CAS: 1344-28-1 EC: 215-691-6	aluminium oxide	<2,5	not classified as dangerous, H-	1
CAS: 12136-45-7 EC: 235-227-6	dipotassium oxide	<1,5	Skin Corr. 1A, H314	
CAS: 1309-37-1 EC: 215-168-2	diiron trioxide	<0,2		1

Notes

1 Substance for which exposure limits of Community for working environment exist.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. In the event of issues, find medical help.

If on skin

Wash with plenty of soap and water. Provide medical treatment if skin irritation persists.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Continue rinsing. Rinsing should continue at least for 10 minutes. In the event of issues, find medical help.

If swallowed

Rinse out the mouth with clean water. Provide medical treatment.

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

If inhaled

Do not inhale dust. May cause respiratory irritation.

If on skin

not available

If in eyes

Avoid the formation or spread of mists in the air. When intruding eyes, it can evoke irritation.

If swallowed

not available

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

Symptomatic treatment.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Accommodate extinguishing components to the location of fire.

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

In the event of fire toxic gases may arise.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid the formation or spread of mists in the air. Do not inhale dust. Provide sufficient ventilation. Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

No special requirements.

6.3. Methods and material for containment and cleaning up

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13. Danger of slipping on spilled product.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid the formation or spread of mists in the air. Provide sufficient ventilation. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in a dry place.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union

Substance name (component)	Type	Time of exposure	Value	Note	Source
calcium-oxide (CAS: 1305-78-8)	OEL	8 hours	1 mg/m ³	Respirable fraction.	Commissi on Directive (EU) 2017/164
	OEL	15 minutes	4 mg/m ³	Respirable fraction.	

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Substance name (component)	Type	Time of exposure	Value	Note	Source
silicon dioxide (CAS: 7631-86-9)	WEL	8 hours	6 mg/m ³	Inhalable dust	GBR
	WEL	8 hours	2,4 mg/m ³	Respirable dust	
calcium-oxide (CAS: 1305-78-8)	WEL	8 hours	2 mg/m ³		GBR
magnesium oxide (CAS: 1309-48-4)	WEL	8 hours	10 mg/m ³	Inhalable dust	GBR
	WEL	1 hour	4 mg/m ³	Respirable dust, Fume	
aluminium oxide (CAS: 1344-28-1)	WEL	8 hours	10 mg/m ³	Inhalable dust	GBR
	WEL	8 hours	4 mg/m ³	Respirable dust	
diiron trioxide (CAS: 1309-37-1)	WEL	1 hour	10 mg/m ³	Calculated as Fe, Fume	GBR
	WEL	8 hours	5 mg/m ³	Calculated as Fe, Fume	
	WEL	8 hours	10 mg/m ³	Inhalable	
	WEL	8 hours	4 mg/m ³	Respirable	

8.2. Exposure controls

Prevent contact with skin and eyes. Do not inhale dust. Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Tightly sealed goggles.

Skin protection

Use barrier creams for skin protection. Other protection: protective workwear and footwear.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter P2.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Appearance

Physical state

solid at 20°C

color

colourless

Odour

without fragrance

Odour threshold

data not available

pH

data not available

Melting point/freezing point

730 °C

Initial boiling point and boiling range

data not available

Flash point

data not available

Evaporation rate

data not available

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Flammability (solid, gas)		non-inflammable	
Upper/lower flammability or explosive limits			
flammability limits		data not available	
explosive limits		data not available	
Vapour pressure		data not available	
Vapour density		data not available	
Relative density		data not available	
Solubility(ies)			
solubility in water		insoluble	
solubility in fats		data not available	
Partition coefficient: n-octanol/water		data not available	
Auto-ignition temperature		data not available	
Decomposition temperature		data not available	
Viscosity		data not available	
Explosive properties		data not available	
Oxidising properties		data not available	
9.2. Other information			
Density		2.45 g/cm ³	
ignition temperature		data not available	
Bulk density: 1,5 g/cm ³			

SECTION 10: Stability and reactivity**10.1. Reactivity**

See the Section 10.3.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

When used in the standard way, there is not any dangerous reaction with other substances.

10.4. Conditions to avoid

not available

10.5. Incompatible materials

not available

10.6. Hazardous decomposition products

In the event of fire toxic gases may arise.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

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Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

SECTION 12: Ecological information**12.1. Toxicity****Acute toxicity**

Data for the mixture are not available.

12.2. Persistence and degradability

The mixture is not biodegradable. The substance is not biodegradable.

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Other adverse effects

Avoid release to the environment. Do not allow to enter drains.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

10 11 99 wastes not otherwise specified

SECTION 14: Transport information**14.1. UN number**

Not subject to ADR

14.2. UN proper shipping name

not available

14.3. Transport hazard class(es)

not available

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14.4. Packing group

not available

14.5. Environmental hazards

not available

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not available

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

15.2. Chemical safety assessment

not available

SECTION 16: Other information**A list of standard risk phrases used in the safety data sheet**

H- not classified as dangerous
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

A list of additional standard phrases used in the safety data sheet

EUH 014 Reacts violently with water.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR European agreement concerning the international carriage of dangerous goods by road
BCF Bioconcentration Factor
CAS Chemical Abstracts Service
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL Derived no-effect level
EC Identification code for each substance listed in EINECS
EC₅₀ Concentration of a substance when it is affected 50% of the population
EINECS European Inventory of Existing Commercial Chemical Substances
EmS Emergency plan
EU European Union
IATA International Air Transport Association
IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC₅₀ Concentration causing 50% blockade
ICAO International Civil Aviation Organization

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IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log K _{ow}	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Eye Dam.	Serious eye damage
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure
Without classification	Without classification

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.