

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 06/06/2019 Revision date: 06/06/2019 Supersedes: 23/04/2018 Version: 3.00

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**Trade name : lotus® PRO & iClean mini
Model # LQFC225K, LQFC275, LQFC200**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**Use of the substance/mixture : Cleaning agent
disinfectants**1.2.2. Uses advised against**

No additional information available

1.3. Details of the supplier of the safety data sheet**Supplier**Tersano Inc.
5000 Regal Drive
ON N0R 1A0 Oldcastle - Canada**Email competent person**

sds@kft.de

DistributorTersano Inc.
C/O Midl Logistics BV
Bijsterhuizen 1156
6546 AS Nijmegen - Netherlands
T +31 24 750 3214**1.4. Emergency telephone number**Emergency number : National Health Service (NHS)
24 hour national number consumer
England and Scotland: 111
Wales: 0845 46 47
Northern Ireland: call your local General Practitioner

Call 999 if there is a life-threatening incident.**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Extra phrases : The additional label requirements of directive EU 528/2012 about the available on the market and use of biocidal products in article 69 have to be observed.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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

Not applicable

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3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: No specific measures are necessary.
First-aid measures after inhalation	: No specific measures are necessary.
First-aid measures after skin contact	: No specific measures are necessary.
First-aid measures after eye contact	: No specific measures are necessary.
First-aid measures after ingestion	: No specific measures are necessary.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Not applicable. The product is not flammable. Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Non flammable.
Reactivity in case of fire	: The product is not flammable.
Hazardous decomposition products in case of fire	: The product is not flammable.

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Not expected to present a significant hazard under anticipated conditions of normal use.

6.1.1. For non-emergency personnel

Protective equipment : No specific measures are necessary.

6.1.2. For emergency responders

Protective equipment : No specific measures are necessary.

6.2. Environmental precautions

No specific measures are necessary.

6.3. Methods and material for containment and cleaning up

For containment	: For a large spillage, contain the spillage by bunding. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling

Hygiene measures : Not expected to present a significant hazard under anticipated conditions of normal use.
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Product must only be kept in the original packaging. Keep container tightly closed.

7.3. Specific end use(s)

Follow the directions!.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Does not require any particular or specific measures. Respect the general rules for occupational hygiene

Eye protection:

Does not require any particular or specific measures. Respect the general rules for occupational hygiene

Skin and body protection:

Does not require any particular or specific measures. Respect the general rules for occupational hygiene

Respiratory protection:

Not necessary with sufficient ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. EN 143. Breathing apparatus with filter. Type NO P3 (blue). Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : clear.
Colour : colourless.
Odour : odourless.
Odour threshold : No data available
pH : SAO-24 & iClean mini: 3.0 – 6.0; SAO-4: 5.0 – 6.0; No cartridge 7* (lifetime average) (1% Solution)
Relative evaporation rate (butylacetate=1) : Not relevant (Water)
Melting point : Not applicable
Freezing point : 0 °C
Boiling point : 100 °C
Flash point : Not applicable
Auto-ignition temperature : Not self-igniting
Decomposition temperature : No data available
Flammability (solid, gas) : Not applicable
Vapour pressure : 2.3 kPa (20 °C)
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 1 g/cm³
Solubility : Water: Soluble/Miscible
Log Pow : Not applicable

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Viscosity, kinematic	: Not relevant (Water)
Viscosity, dynamic	: Not relevant (Water)
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No additional information available.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: SAO-24 & iClean mini: 3.0 – 6.0; SAO-4: 5.0 – 6.0; No cartridge 7* (lifetime average) (1% Solution)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: SAO-24 & iClean mini: 3.0 – 6.0; SAO-4: 5.0 – 6.0; No cartridge 7* (lifetime average) (1% Solution)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)
Chronic aquatic toxicity	: Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

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Persistence and degradability	Not applicable.
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12.3. Bioaccumulative potential

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Log Pow	Not applicable
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Bioaccumulative potential	Not applicable.
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12.4. Mobility in soil

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Mobility in soil	Not applicable
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12.5. Results of PBT and vPvB assessment

lotus® PRO & iClean mini

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Other adverse effects : No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue. Do not dispose of with domestic waste. Do not discharge into drains or the environment.

Sewage disposal recommendations : Do not allow into drains or water courses.

Product/Packaging disposal recommendations : Recycle or dispose of in compliance with current legislation.

European List of Waste (LoW) code : 06 13 99 - wastes not otherwise specified

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

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Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

Other information, restriction and prohibition regulations

: A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis. Regulation (EC) No. 648/2004 of 31 March 2004 on detergents. Labelling of contents (648/2004/EC). Not applicable. Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products. The additional label requirements of directive EU 528/2012 about the available on the market and use of biocidal products in article 69 have to be observed. Every advertisement for biocides has to be accompanied by following sentence: Use biocides safely. Always read the label and product information before use.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:			
Section	Changed item	Change	Comments
	General revision	Modified	Physical and chemical properties Safety Data Sheet
1.3	Distributor	Modified	EU
2.2	Extra phrases	Added	
9.1	pH	Modified	
13.1	European List of Waste (LoW) code	Added	
15.1	Other information, restriction and prohibition regulations	Added	

Abbreviations and acronyms:

IATA	International Air Transport Association
IARC	International Agency for Research on Cancer
EC50	Median effective concentration

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DNEL	Derived-No Effect Level
DMEL	Derived Minimal Effect level
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
BCF	Bioconcentration factor
ATE	Acute Toxicity Estimate
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Information provided by the manufacturer.
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KFT SDS EU 00

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.