

Safety Data Sheet

StazOn cleaner

according to UK REACH Regulation

Date: 06.09.2017

Revision date: 19.09.2023

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

1.1. Product identifier

StazOn cleaner

Further trade names / Item numbers

SZL-56

UFI: GS00-V0W2-M00V-0GDF

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

Use of the substance/mixture

Cleaning agent

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name: TSUKINEKO Co., Ltd
Street: 5F Suehiro JF Bldg., 5-1-5, Sotokanda Chiyoda-ku
Place: Tokyo 101-0021, JAPAN
Telephone: +81-3-3834-1080
e-mail: info@tsukineko.co.jp
Internet: www.tsukineko.co.jp
Responsible Department: Product safety Mo-Fr (8:30-17:00 h)

1.4. Emergency telephone number: +81-3-3834-1080

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Irrit. 2; H315

Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Signal word: Warning

Pictograms:



Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

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P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Labelling of packages where the contents do not exceed 125 ml

Signal word: Warning

Pictograms:



Precautionary statements

P102-P280

2.3. Other hazards

Results of PBT and vPvB assessment: not applicable

Results of PBT and vPvB assessment: not applicable.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of various solvents

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
111-90-0	2-(2-ethoxyethoxy)ethanol			35-45%
	203-919-7		01-2119475105-42	
	Skin Irrit. 2, Eye Irrit. 2; H315 H319			
100-51-6	Benzyl alcohol			6-8%
	202-859-9		01-2119492630-38	
	Acute Tox. 4, Acute Tox. 4; H332 H302			

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		
111-90-0	203-919-7	2-(2-ethoxyethoxy)ethanol	35-45%
	dermal: LD50 = 4200 mg/kg; oral: LD50 = 5490 mg/kg		
100-51-6	202-859-9	Benzyl alcohol	6-8%

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	inhalation: LC50 \geq 4.178 mg/l (aerosols); inhalation: ATE = 1.5 mg/l (dusts or mists); dermal: LD50 \geq 2000 mg/kg; oral: LD50 = 1620 mg/kg	
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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water/soap. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water.

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

No information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, carbon dioxide, foam, extinguishing powder, dry sand

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

This material is combustible, but will not ignite readily.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Co-ordinate fire-fighting measures to the fire surroundings.

Additional information

Remove all sources of ignition.

Use water spray jet to protect personnel and to cool endangered containers.

Suppress gases/vapours/mists with water spray jet.

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

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Provide adequate ventilation.

Avoid contact with eyes and skin.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment

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.

For cleaning up

To clean the floor and all objects contaminated by this material, use plenty of water.

Provide adequate ventilation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

Provide adequate ventilation.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Wash hands and face before breaks and after work and take a shower if necessary.

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.

Store in a well-ventilated place.

Store in a cool dry place.

Hints on joint storage

No special measures are necessary.

Further information on storage condition

Recommended storage temperature: 5 - 25°C

7.3. Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type	Exposure route	Effect	Value	
57-55-6	Propane-1,2-diol			
Worker DNEL, long-term	inhalation	systemic	168 mg/m ³	
Worker DNEL, long-term	inhalation	local	10 mg/m ³	
Consumer DNEL, long-term	inhalation	systemic	50 mg/m ³	
Consumer DNEL, long-term	inhalation	local	10 mg/m ³	
111-90-0	2-(2-ethoxyethoxy)ethanol			
Worker DNEL, long-term	inhalation	local	30 mg/m ³	
Consumer DNEL, long-term	inhalation	local	18 mg/m ³	
Consumer DNEL, long-term	oral	systemic	50 mg/kg bw/day	
100-51-6	Benzyl alcohol			
Worker DNEL, long-term	inhalation	systemic	22 mg/m ³	
Worker DNEL, acute	inhalation	systemic	110 mg/m ³	
Worker DNEL, long-term	dermal	systemic	8 mg/kg bw/day	
Worker DNEL, acute	dermal	systemic	40 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	5.4 mg/m ³	
Consumer DNEL, acute	inhalation	systemic	27 mg/m ³	
Consumer DNEL, long-term	dermal	systemic	4 mg/kg bw/day	
Consumer DNEL, acute	dermal	systemic	20 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	4 mg/kg bw/day	
Consumer DNEL, acute	oral	systemic	20 mg/kg bw/day	

PNEC values

No	Substance	
Environmental compartment	Value	
57-55-6	Propane-1,2-diol	
Freshwater	260 mg/l	
Freshwater (intermittent releases)	183 mg/l	
Marine water	26 mg/l	

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Freshwater sediment		572 mg/kg
Marine sediment		57.2 mg/kg
Micro-organisms in sewage treatment plants (STP)		20000 mg/l
Soil		50 mg/kg
111-90-0	2-(2-ethoxyethoxy)ethanol	
Freshwater		1.98mg/l
Freshwater (intermittent releases)		19.8 mg/l
Marine water		0.198 mg/l
Freshwater sediment		7.32 mg/kg
Marine sedimen		0.732 mg/kg
Soil		0.34 mg/kg
100-51-6	Benzyl alcohol	
Freshwater		1-1.02 mg/l
Freshwater (intermittent releases)		2.3 mg/l
Marine water		0.1-0.102 mg/l
Freshwater sediment		5.27 mg/kg
Marine sediment		0.527 mg/kg
Micro-organisms in sewage treatment plants (STP)		39 mg/l
Soil		0.456 mg/kg

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation as well as local exhaustoin at critical locations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Wear protective gloves. Recommended material: Butyl caoutchouc (butyl rubber), FKM (fluoro rubber), NR (natural rubber, Natural latex), CR (polychloroprene, chloroprene rubber), NBR (Nitrile rubber), PVC (polyvinyl chloride)

Breakthrough time: ≥ 8 hours

Skin protection

Apron, boots

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Respiratory protection

In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	characteristic
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	>100 °C
Flammability	not determined
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	>64 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value:	not applicable
Water solubility(at 20 °C):	completely miscible
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	~ 1 g/cm ³
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not explosive.

Oxidizing properties

The product is not oxidising.

Other safety characteristics

Evaporation rate:	not determined
Solvent content:	VOC (CH): 6 - 8%
Solid content:	not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

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No known hazardous reactions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agents

10.6. Hazardous decomposition products

Thermal decomposition: carbon monoxide, carbon dioxide

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

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

ATEmix calculated

ATE (oral) 27000.0 mg/kg; ATE (inhalation vapour) 183.33 mg/l; ATE (inhalation dust/mist) 25.000 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-90-0	2-(2-ethoxyethoxy)ethanol				
	oral	LD50 5490mg/kg	Rat	literature value	
	dermal	LD50 4200mg/kg	Rabbit	literature value	
100-51-6	Benzyl alcohol				
	oral	LD50 1620mg/kg	Rat	IUCLID	
	dermal	LD50 >2000mg/kg	Rabbit	IUCLID	EPA OTS 798.1100
	inhalation (4 h) aerosols	LC50 > 4.178 mg/l	Rat	IUCLID	OECD 403
	inhalation dust/mist	ATE 1.5 mg/l			

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

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Endocrine disrupting properties

No information available.

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1. Toxicity

The product is not ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
111-90-0	2-(2-ethoxyethoxy)ethanol					
	Acute fish toxicity	LC50 6010 mg/l	96 h	Ictalurus punctatus	IUCLID	
	Acute algae toxicity	ErC50 >14861 mg/l	72h	Raphidocelis subcapitata	IUCLID	
	Acute crustacea toxicity	EC50 1982 mg/l	48 h	Daphnia magna	IUCLID	
100-51-6	Benzyl alcohol					
	Acute fish toxicity	LC50 460 mg/l	96 h	Pimephales promelas	IUCLID	EPA OPP 72-1
	Acute crustacea toxicity	EC50 230 mg/l	48 h	Daphnia magna	IUCLID	OECD 202
	Acute bacteria toxicity	(EC50 390 mg/l)	24 h	Nitrosomonas sp.	IUCLID	

12.2. Persistence and degradability

The product has not been tested. The single components are biologically degradable according to the Washing- and Cleaning Agents Act (WRMG German Law).

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
111-90-0	2-(2-ethoxyethoxy)ethanol			
	BOD28	70-87%	28	literature value
	Readily biodegradable (according to OECD criteria).			
	OECD 302B	>90%	5.5	IUCLID
	Readily biodegradable (according to OECD criteria).			
100-51-6	Benzyl alcohol			
	OECD 301A (DOC Die-Away Test)	95-97%	21	IUCLID
	Readily biodegradable (according to OECD criteria).			
	OECD 301 (mod. MITI Test)	92-96%	14	IUCLID
	Readily biodegradable (according to OECD criteria)			

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

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CAS No	Chemical name	Log Pow
111-90-0	2-(2-ethoxyethoxy)ethanol	-0.54
100-51-6	Benzyl alcohol	1.05

BCF

CAS No	Chemical name	BCF	Species	Source
100-51-6	Benzyl alcohol	1.37	aquatic organisms	IUCLID

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

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

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 information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4. Packing group:	No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name:	No dangerous good in sense of this transport regulation.

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<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.
Air transport (ICAO-TI/IATA-DGR)	
<u>14.1. UN number or ID number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.
<u>14.5. Environmental hazards</u>	
ENVIRONMENTALLY HAZARDOUS:	No
<u>14.6. Special precautions for user</u>	
No dangerous good in sense of this transport regulation.	
<u>14.7. Maritime transport in bulk according to IMO instruments</u>	
No dangerous good in sense of this transport regulation.	

SECTION 15: Regulatory information

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

EU regulatory information

Information according to 2012/18/EU(SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

Regulation (EC) No. 648/2004 [Detergents regulation]

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC)

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

Section 3, 11,12

Abbreviations and acronyms

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

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ATE: Acute toxicity estimat

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

VOC: Volatile Organic Compounds

Key literature references and sources for data

Registration Dossiers according to Regulation (EC) No. 1907/2006 [REACH].

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

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H332

Harmful if inhaled.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AR	TF	Specification
1	Cleaning agent for stamps	C	-	35	-	-	-	-	Cleaner

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

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