

Prestan Stainless Steel

Version number: 6.0
Issued: 2023-03-23
Replaces SDS: 2019-03-19

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

1.1. Product identifier Prod nr: 26063

Trade name

Prestan Stainless Steel Maintenance

UFI code

CY7D-X8G0-AH13-ENF2

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

Relevant identified uses

Stainless steel cleaner and conditioner for professional users.

Not suitable for use in

All other uses are discouraged.

1.3. Details of the supplier of the safety data sheet

Supplier

KLEEN PURGATIS GmbH

Street address

Dieselstraße 10
32120 Hiddenhausen
Germany

Telephone

+49 (0) 5223 9970-40

Email

info@kleen-purgatis.de

Fax

+49 (0) 5223 9970-195

Web site

www.kleenpurgatis.de

Contact person

Regulatory Affairs

Email address

info@budich.de

1.4. Emergency telephone number

+49 (0) 551 - 19240 (GIZ-Nord)

Available outside office hours

Yes

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Classification

Aspiration hazard, hazard category 1

Eye irritation, hazard category 2

Skin irritation, hazard category 2

Hazard statements

H304, H315, H319

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P260 Do not breathe vapours.

P280 Wear protective gloves.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302 + P352 IF ON SKIN: Wash with plenty of water/soap.

More information

Hazard components for labeling: Low boiling point modified naphtha

2.3. Other hazards

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-pharse M factor acute M factor chronic	Note
Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics	64741-65-7 918-167-1 01-2119472146-39-xxxx -	>50 - 70%	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4	H226, H304, H413, EUH066 - -	-
White mineral oil	8042-47-5 232-455-8 01-2119487078-27-xxxx -	15 - 25%	Asp. Tox. 1	H304 - -	-
2-Butoxyethanol	111-76-2 203-905-0 01-2119475108-36-xxxx 603-014-00-0	5 - 15%	Acute Tox. 4 - oral, Acute Tox. 4 - dermal, Skin Irrit. 2, Eye Irrit. 2, Acute Tox. 4 - inhalation	H302, H312, H315, H319, H332 - -	-

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Description of first aid measures

First responders: Pay attention to self-protection.

Inhalation

If breathed in, move person into fresh air. If symptoms persist, call a physician.

Skin contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

Ingestion

If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.

Aspiration hazard if swallowed - can enter lungs and cause damage. Get medical attention.

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Information for doctors

Show this safety data sheet to the doctor in attendance.

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

Immediate effects can be expected after long-term exposure.

Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

Inhalation

May cause throat irritation. discomfort in the chest

Skin contact

Itching / rash

Eye contact

Contact with eyes may cause irritation. Redness / excessive lachrymation

Ingestion

Redness of the mouth and throat. Nausea. Risk of serious damage to the lungs (by aspiration).

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

Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, extinguishing powder, foam or carbon dioxide

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

By heating or fire toxic gas is liberated. Hazardous combustion products: carbon monoxide

5.3. Advice for firefighters

Special protective equipment for fire-fighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Avoid direct contact with the material / product. Ensure adequate ventilation, especially in confined areas.

6.2. Environmental precautions

Dam up. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

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6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
 Ventilate the area.

6.4. Reference to other sections

For information on storage and handling see section 7.
 For personal protection see section 8.
 For information on incompatible materials, see Section 10.
 For information on disposal see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Wear personal protective equipment. Avoid direct contact with the material / product. Use only with adequate ventilation.

General hygiene

Handle in accordance with good industrial hygiene and safety practice.
 When using, do not eat, drink or smoke.
 Wash hands before breaks and at the end of workday.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Store in a place accessible by authorized persons only. Keep away from children. Keep away from food, drink and animal feeding stuffs.

Storage class according to TRGS 510: 10 (flammable liquids)

Storage temperature: 10°C to 40°C

7.3. Specific end use(s)

PC35 - Washing and cleaning products (including solvent based products)
 See section 1.2: Stainless steel cleaner and conditioner

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Short-term exposure limit ppm / mg/m ³	Source	Remark	Year
2-butoxyethanol (EU)	111-76-2 203-905-0	20	50	EU OEL	Skin	2000
		98	246			

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DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
2-butoxyethanol (111-76-2/203-905-0)	DNEL	Chronic (long term) Inhalation	98 mg/m ³	Workers	Systemic
2-butoxyethanol (111-76-2/203-905-0)	DNEL	Acute (short term) Inhalation	663 mg/m ³	Workers	Systemic
2-butoxyethanol (111-76-2/203-905-0)	DNEL	Chronic (long term) Dermal	75 mg/kg	Workers	Systemic
2-butoxyethanol (111-76-2/203-905-0)	DNEL	Chronic (long term) Inhalation	49 mg/m ³	Consumers	Systemic
White mineral oil (8042-47-5/232-455-8)	DNEL	Chronic (long term) Inhalation	160 mg/m ³	Workers	Systemic
White mineral oil (8042-47-5/232-455-8)	DNEL	Chronic (long term) Dermal	220 mg/kg	Workers	Systemic

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
2-butoxyethanol (111-76-2/203-905-0)	PNEC	Freshwater	8.8 mg/l
2-butoxyethanol (111-76-2/203-905-0)	PNEC	Marine water	0.88 mg/l
2-butoxyethanol (111-76-2/203-905-0)	PNEC	Sewage Treatment Plant	463 mg/l
2-butoxyethanol (111-76-2/203-905-0)	PNEC	Soil	2.8 mg/kg dwt

8.2. Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Eye / face protection

Safety glasses with side-shields conforming to EN166

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Hand protection

Protective gloves complying with EN 374.
Suitable material: (IIR) butylrubber, (FKM) Fluorinated rubber

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Other skin protection

long sleeved clothing

Respiratory protection

In case of inadequate ventilation wear respiratory protection.
suitable respiratory equipment: respirator with combination filter for vapour/particulate.

Thermal hazards

Not applicable.

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

colourless

Odour

characteristic

Odour threshold

Not determined for the mixture.

Melting point / freezing point

No data available

Boiling point or initial boiling point and boiling range

> 35 °C

Flammability

Not determined for the mixture.

Lower and upper explosion limit

Not determined for the mixture.

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Flash point

62 - 65 °C

Auto-ignition temperature

Not determined for the mixture.

Decomposition temperature

No data available

pH

Not determined for the mixture.

Kinematic viscosity

10⁻⁶ m²/s bei 40°C

Method

ISO 3219

Viscosity, dynamic

<20,5 mm²/s

Solubility

No data available

Water solubility

immiscible

Partition coefficient n-octanol/water

Not determined for the mixture.

Vapour pressure

No data available

Density and/or relative density

0,79 g/ml

Relative density

Not determined for the mixture.

Relative vapour density

Not determined for the mixture.

Evaporation Rate

Not determined for the mixture.

Oxidising properties

Oxidizing

VOC %

77.7 %

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9.2. Other information

This product / mixture does not contain any nanomaterials or nanoforms as defined in Regulation (EC) 1907/2006.

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal use.

10.2. Chemical stability

Stable at normal conditions No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Decomposes on heating.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

By heating or fire toxic gas is liberated.

SECTION 11: Toxicological information

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

Acute toxicity

Harmful: possible risk of irreversible effects if swallowed.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
2-butoxyethanol 111-76-2 / 203-905-0	LD50	1414 mg/kg	Oral	-	guinea pig	OECD 401
2-butoxyethanol 111-76-2 / 203-905-0	LC50	450 - 900 mg/l	Inhalation	4h	rat	-
2-butoxyethanol 111-76-2 / 203-905-0	LD50	1.000-2.000 mg/kg	Dermal	-	rabbit	-
Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics	LD50	>5000 mg/kg	Oral	-	rat	-

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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals	Method / Guideline
64741-65-7 / 918-167-1						
Hydrocarbons, C11-C12, iso-alkanes, <2% aromatics 64741-65-7 / 918-167-1	LD50	>5000 mg/kg	Dermal	-	rabbit	-
White mineral oil 8042-47-5 / 232-455-8	LC50	>5 mg/l	Inhalative	4h	rat	-

Skin corrosion/irritation

Causes skin irritation. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May be harmful by inhalation, in contact with skin and if swallowed

Germ cell mutagenicity

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

Mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways. Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung oedema or pneumonia.

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11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
2-butoxyethanol 111-76-2 / 203-905-0	LC50	1.474 mg/l	96 h	Rainbow trout	OECD Test Guideline 203
White mineral oil 8042-47-5 / 232- 455-8	LC50	>1.000 mg/l	96h	Golden orfe	-

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Endpoint of the test	Species	Method / Guideline
2-butoxyethanol 111-76-2 / 203- 905-0	EC50 NOEC	1.840 mg/l 286 mg/l	72 h	Growth rate	Pseudokirchneriella subcapitata	OECD Test Guideline 201

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
2-butoxyethanol 111-76-2 / 203-905-0	EC50	1.550 mg/l	48 h	Daphnia magna (Water flea)	OECD Test Guideline 202

Micro-/macro organism toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
2-butoxyethanol	EC0	700 mg/l	16 h	Pseudomonas	DIN 38412

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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
111-76-2 / 203-905-0				putida	

12.2. Persistence and degradability

Persistence and degradability

No information available

Decay/transformation

No information available

12.3. Bioaccumulative potential

Bioaccumulative potential

No information available

12.4. Mobility in soil

Mobility

No information available

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are classified as PBT or vPvB according to Article 57 / Annex XIII of the REACH regulation.

12.6. Endocrine disrupting properties

The mixture / product does not contain any ingredients with endocrine disrupting properties in terms of regulations (EC) 1907/2006 and (EU) 2018/605 and the delegated regulation (EU) 2017/2100.

12.7. Other adverse effects

Other adverse effects

This product / mixture does not contain any substances within the meaning of Regulation (EC) No. 1005/2009 that deplete the ozone layer.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Dispose of as hazardous waste in compliance with local and national regulations.

Packaging

Do not re-use empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging : Dispose of as unused product.

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Waste code	Description
07 06 04*	other organic solvents, washing liquids and mother liquors

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3. Transport hazard class(es)

Label

Not classified as dangerous in the meaning of transport regulations.

14.4. Packing group

Not classified as dangerous in the meaning of transport regulations.

14.5. Environmental hazards

Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

Other

Not applicable

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SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 648/2004 (detergents)

Ingredients according to Annex VII: > 30% aliphatic hydrocarbons

Regulation (EC) No. 1272/2008 (CLP)

EU Regulation (EC) No. 1907/2006 (REACH)

Substances subject to authorization according to Annex XIV: not applicable

Substance restrictions according to Annex XVII: not applicable

Substances on the REACH candidate list (SVHC): not applicable

Regulation (EU) No. 528/2012 (BPR)

Active ingredients: not applicable

Regulation (EU) 2019/1148 (explosives)

Restricted raw material according to Annex I: not applicable

Notifiable raw materials according to Annex II: not applicable

Directive 2011/65 / EU (ROHS 2)

Substance restrictions according to Annex II: not applicable

Regulation (EU) 2019/1021 (POP)

Persistent organic pollutants: not applicable

Directive 2012/18/EU (Seveso III)

Seveso hazard category: not applicable

National regulations

In addition, comply with all national and local regulations for the handling of chemicals.

Other regulations, limitations and legal regulations

Take note of Dir 94/33/EC on the protection of young people at work.

15.2. Chemical safety assessment

The mixture has not been subjected to a safety assessment.

SECTION 16: Other information

Changes to previous revision

Adaptation to the amending regulation (EU) 2020/878

These sections have been changed since previous version of this document:

Section 3.2

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Abbreviations

ADN - Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR - Accord relatif au transport international des marchandises Dangereuses par Route
CAS - Chemical Abstract Service
CLP - Classification, Labelling and Packaging
DMEL - Derived Minimum Effect Level
DNEL - Derived no effect level
EC50 - Half maximal effective concentration 50%
GHS - Globally Harmonised System
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Lethal concentration 50%
LD50 - Lethal dosis 50 %
MARPOL - International Convention for the Prevention of Pollution from Ships
PBT - Persistent, bioaccumulative and toxic substance
PEC - Predicted Environmental Concentration
PNEC - predicted no effect concentration
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals
RID - Reglement concernant le transport international ferroviaire de marchandises Dangereuses
SVHC - Substance of very high concern
vPvB - Very persistent, very bioaccumulative substance

References to key literature and data sources

REACH registration dossiers
ECHA C&L - Inventory
Safety data sheets from raw material suppliers

Evaluation methods for classification

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:
Health hazards: calculation method

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Phrase meaning

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4
Acute Tox. 4 - dermal - Acute toxicity, dermal, hazard category 4
Skin Irrit. 2 - Skin irritation, hazard category 2
Eye Irrit. 2 - Eye irritation, hazard category 2
Acute Tox. 4 - inhalation - Acute toxicity, inhalation, hazard category 4
Flam. Liq. 3 - Flammable liquids, hazard category 3
Asp. Tox. 1 - Aspiration hazard, hazard category 1
Aquatic Chronic 4 - Hazardous to the aquatic environment — Chronic hazard category 4
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H413 May cause long lasting harmful effects to aquatic life.
EUH066 Repeated exposure may cause skin dryness or cracking.

Other

Additional information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878.

Manufacturer's notes

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.