

Safety data sheet	Page: 1 of 7
	Issue date: 29-06-2021
Stainless steel cleaner	
	According to: Regulation (EC) 1907/2006

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name : Stainless steel cleaner
 Synonyms : Art. 976784

Unique formula identifier (UFI) : K5D1-A9V6-X00X-R056

1.2 Relevant identified uses and uses advised against

Relevant identified uses : Washing and cleaning products
 Uses advised against : No information available.

1.3 Details of the supplier of the safety data sheet

Supplier : Hendi BV, Innovatielaan 6, 6745 XW De Klomp, The Netherlands
 tel: +31 (0)317 681040
 info@hendi.eu
 www.hendi.eu

1.4 Emergency telephone number : +49(0)160-92250872

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP Regulation (EC 1272/2008)

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

2.2 Label elements

CLP Regulation (EC 1272/2008)

Pictogram(s) : GHS07



Signal word : Warning

Hazard statement(s) : H315 Causes skin irritation.
 H319 Causes serious eye irritation.

Precautionary statement(s) : P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P280 Wear protective gloves and eye/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

: Further Information: Labelling for contents according to regulation (EC) No. 648/2004: 15% - < 30% aliphatic hydrocarbons.

Stainless steel cleaner

According to Regulation (EC) 1907/2006

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance : Not relevant

3.2 Mixture:

Chemical name	CAS number	EC number Index nr	Registration nr	%	Hazard statements
3-butoxypropan-2-ol; propylene glycol monobutyl ether	5131-66-8	225-878-4 603-052-00-8	01-2119475527-28	75-80	Skin Irrit. 2, Eye Irrit. 2; H315 H319

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

SECTION 4. FIRST AID MEASURES
4.1 Description of first aid measures

- General** : Move victim out of danger zone. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
- Inhalation** : Following inhalation: Move victim to fresh air. Consult physician. If unconscious place in recovery position and seek medical advice.
- Contact with skin** : After contact with skin, wash immediately with: Water and soap. In case of skin irritation, seek medical treatment.
- Contact with eyes** : In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.
- Ingestion** : Let water be drunken in little sips (dilution effect). Call a physician immediately. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Caution if victim vomits: Risk of aspiration! If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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 / Alcohol resistant Foam / Carbon dioxide (CO₂) / Dry extinguishing powder / Extinguishing powder. Co-ordinate fire-fighting measures to the fire surroundings.
- Unsuitable extinguishing media** : Full water jet.

5.2 Special hazards arising from the substance or mixture

- : Hazardous combustion products: Carbon dioxide (CO₂), carbon monoxide, nitrogen oxide (NO_x).

Safety data sheet	Page: 3 of 7
	Issue date: 29-06-2021
Stainless steel cleaner	
	According to: Regulation (EC) 1907/2006

5.3 Advice for firefighters

- : In case of fire: Wear self-contained breathing apparatus. Wear chemical resistant suit. In case of fire and/or explosion do not breathe fumes. Suppress gases/vapours/mists with water spray jet. German Industry Norms (DIN) / European Norms (EN): DIN EN 469.
Additional information: Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Dispose of waste according to applicable legislation.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment & emergency procedures

- : Wear personal protection equipment. High slip hazard because of leaking or spilled product. Avoid contact with skin and eyes.

6.2 Environmental precautions

- : Contaminated fire-fighting water must be collected separately. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

- : Clean contaminated articles and floor according to the environmental legislation. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4 Reference to other sections

- : For handling and storage – section 7.
 For personal protection - section 8.
 Disposal - section 13

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

- : Advice on safe handling: Avoid contact with skin and eyes. When using do not eat, drink or smoke.
Advice on protection against fire and explosion: No special precautionary measures are necessary.
Further information on handling: Notice the directions for use on the label.

7.2 Conditions for safe storage

- : Requirements for storage rooms and vessels: Store only in original container. Keep container tightly closed in a cool, well-ventilated place. Conditions to avoid: UV-radiation/sunlight. Keep away from food, drink and animal feeding stuffs. Protect against: frost.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Additional advice on limit values: To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work. Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Keep away from: food, feeding stuff.

Safety data sheet	Page: 4 of 7
	Issue date: 29-06-2021
Stainless steel cleaner	
	According: Regulation (EC) 1907/2006

Eye/face protection

Suitable eye protection: Tightly sealed safety glasses. (DIN EN 166).

Hand protection

Recommendation:

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN ISO 374

Suitable material: NBR (Nitrile rubber).

Suitable material: Butyl rubber.

Permeation time (maximum wear time): 8 h

Thickness of the glove material: 0,5

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

Skin protection

Wear suitable protective clothing (EN 368).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Environmental exposure controls

Do not allow uncontrolled leakage of product into the environment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	product-specific
pH-Value:	not applicable

Changes in the physical state

Melting point:	not relevant
Initial boiling point and boiling range:	not relevant
Sublimation point:	not relevant
Softening point:	not relevant
Pour point:	not relevant
Flash point:	not relevant

Flammability

Solid / Gas:	not relevant
Lower explosion limits:	not relevant
Upper explosion limits:	not relevant
Ignition temperature:	not relevant

Auto-ignition temperature

Solid / Gas:	not relevant
Decomposition temperature:	not relevant

Oxidizing properties:	not relevant
Vapour pressure:	not relevant
Density:	not relevant
Bulk density:	not relevant
Water solubility:	easily soluble
Solubility in other solvents:	not determined

Partition coefficient:	not relevant
Viscosity / dynamic:	not relevant
Viscosity / kinematic:	not relevant
Flow time:	not relevant
Vapour density:	not relevant
Evaporation rate:	not relevant
Solvent separation test:	not relevant
Solvent content:	not relevant

9.2. Other information

Solid content: not relevant

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 chemically stable under recommended conditions of storage, use and temperature.
- 10.3 Possibility of hazardous reactions** : No hazardous reaction when handled and stored according to provisions.
- 10.4 Conditions to avoid** : Protect against: frost.
- 10.5 Incompatible materials** : No hazardous reaction when handled and stored according to provisions.
- 10.6 Hazardous decomposition products:** The product is chemically stable under recommended conditions of storage, use and temperature.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

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

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitizing 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.

TOT- 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.

SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity** : There are no data available on the preparation/mixture itself.
- 12.2 Persistence and degradability** : The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bio accumulative potential : No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

Chemical name	CAS number	Log Pow
3-butoxypropan-2-ol; propylene glycol monobutyl ether	5131-66-8	1,2

12.4 Mobility in soil : There are no data available on the preparation/mixture itself.

12.5 Results of PBT & vPvB assessment : The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

12.6. 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. Consult the appropriate local waste disposal expert about waste disposal. Consult the appropriate authorities about waste disposal.

Contaminated packaging

Wash with plenty of water. Completely emptied packings can be re-cycled. Dispose of waste according to applicable legislation.

SECTION 14. TRANSPORT INFORMATION

Land transport (ADR/RID)

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

Inland waterways transport (ADN)

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

Marine transport (IMDG)

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

Air transport (ICAO-TI/IATA-DGR)

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

Safety data sheet	Page: 7 of 7
	Issue date: 29-06-2021
Stainless steel cleaner	
	According to: Regulation (EC) 1907/2006

14.5. Environmental hazards

Environmentally hazardous: No

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

Additional information

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

National regulatory information

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

SECTION 16. OTHER INFORMATION

16.1 Revision comments

A vertical line in the left margin indicates that there is a relevant amendment from the previous version.

16.2 Abbreviations and acronyms used in the safety data sheet

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Relevant H and EUH statements (number and full text)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Training advice

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Persons related to the transportation of the dangerous goods in compliance with the ADR Agreement should be properly trained within the scope of performed tasks (general training, on-the-job training and training related to the safety issues).

All information given in this Safety Data Sheet is exclusively related to the product described and is provided assuming that the product will be used in a way and for the purposes as stated by the manufacturer. The information is based on our present state of knowledge and will be reviewed regularly. This Safety Data Sheet has only been set up with the intention to describe the safety aspects of the product and therefore should not be construed as guaranteeing specific properties of the product of concern or its suitability for a particular application. It is the user's own responsibility to take the precautionary measures described and also to take care that this information is complete and adequate for the use of this product. It is recommended to pass through the information in this Safety Data Sheet, whenever necessary in an adapted form, to all staff and interested parties of concern.

- Changes, printing and typesetting errors reserved.