

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 04.08.2022

Version: 6.01 (replaces version 6.00)

Revision: 18.05.2022

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

1.1 Product identifier

Trade name: STIHL Special cleaner Varioclean
UFI: 92E0-30PQ-500F-D952
[28.03.2019]

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

Application of the substance / the mixture

Resin and oil dissolver
Consumer uses: Private households / general public / consumers
Professional uses
Detergents

Uses advised against None

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Supplier:

United Kingdom

ANDREAS STIHL LTD. | STIHL House | Stanhope Road, Camberley, Surrey, GU15 3YT | Great Britain
telefon: +44 1276 20202 | E-Mail: enquiries@stihl.co.uk

Ireland

ORIGO | Unit 23, Magna Drive, Magna Business Park | City West | Dublin 24 | Ireland
telefon: +353 1 4666 700 | E-Mail: sales@origo.ie

Manufacturer:

ANDREAS STIHL AG & Co.KG | Badstr. 115 | 71336 Waiblingen | Germany
telefon: +49 (0)6071 3055358 | E-Mail: kundenservice@stihl.de

Further information obtainable from: E-Mail: kundenservice@stihl.de

1.4 Emergency telephone number:

In England and Wales: dial 111 (NHS 111)

In Scotland: dial 111 (NHS 24)

In N Ireland: Contact your local GP or pharmacist during normal hours;
click here (www.gpoutofhours.hscni.net) for GP services Out-of-Hours.

In Republic of Ireland:

Healthcare Professionals: +353 (01) 809 2566 (24 hour service)

Members of Public: +353 (01) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)

Germany: +49 (0) 89 19240 (Poison Centre Munich)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Met. Corr.1 H290 May be corrosive to metals.
Skin Corr. 1B H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labelling:

disodium metasilicate

Hazard statements

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statements

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

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- P102 Keep out of reach of children.
 P260 Do not breathe spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT

vPvB:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB.

Determination of endocrine-disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Aqueous tenside solution with silicates

Dangerous components:

| | | |
|--|---|---------|
| CAS: 10213-79-3 EINECS: 229-912-9 Reg.nr.: 01-2119449811-37-xxxx | disodium metasilicate-pentahydrate Met. Corr. 1, H290; Skin Corr. 1B, H314; Eye Dam. 1, H318; STOT SE 3, H335 | 15-<20% |
| CAS: 147170-44-3 EC No 931-333-8 Reg.nr.: 01-2119489410-39-xxxx | 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts Alternative CAS number: 61789-40-0 Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 4 % ≤ C < 10 % | 4-<10% |

Regulation (EC) No 648/2004 on detergents / Labelling for contents

| | |
|------------------------|-----------|
| amphoteric surfactants | ≥5 - <15% |
|------------------------|-----------|

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Take affected persons out of danger area and lay down.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Seek immediate medical advice.

After eye contact:

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

Seek immediate medical advice.

After swallowing:

Rinse out mouth and then drink plenty of water.

(Contd. on page 3)

(Contd. of page 2)

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Eye irritation / Eye damage

Caustic effect on skin and mucous membranes.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment in accordance with the doctor's assessment of the patient's condition. Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Protective equipment:

The normal measures for firefighting are to be taken.

Wear fully protective suit.

Do not enter the hazardous area without a self-contained breathing apparatus.

See Section 8 for information on personal protection equipment.

Additional information

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation

For non-emergency personnel Wear protective clothing.

For emergency responders Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well ventilated areas.

Open and handle receptacle with care.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Provide alkali-resistant floor.

Information about storage in one common storage facility:

Store away from foodstuffs.

Observe local/state/federal regulations.

Further information about storage conditions:

Keep container tightly sealed.

Protect from frost.

Recommended storage temperature: 20 °C.

Protect from heat and direct sunlight.

(Contd. on page 4)

7.3 Specific end use(s) No further relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

CAS: 10213-79-3 disodium metasilicate-pentahydrate

Dermal DNEL 1.49 mg/bw/day (worker) (chronic systemic effect)

Inhalative DNEL 6.22 mg/m³ (worker) (chronic systemic effect)

CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts

Oral DNEL 7.5 mg/kg (consumer) (longterm systematic effects)

Dermal DNEL 7.5 mg/kg (consumer) (longterm systematic effects)

12.5 mg/kg (worker) (longterm systematic effects)

Inhalative DNEL 44 mg/m³ (worker) (longterm systematic effects)

PNECs

CAS: 10213-79-3 disodium metasilicate-pentahydrate

PNEC 1,000 mg/l (STP)

7.5 mg/l (water (fresh water))

1 mg/l (water (sea water))

CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts

PNEC 3,000 mg/l (STP)

0.0135 mg/l (water (fresh water))

0.00135 mg/l (water (sea water))

PNEC 1 mg/kg (sediment (fresh water))

0.1 mg/kg (sediment (sea water))

0.8 mg/kg (soil)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Respiratory protection:

Not required in normal cases

Ensure good ventilation/exhaustion at the workplace.

Hand protection Protective gloves

Material of gloves

Chloroprene rubber, CR

Recommended thickness of the material: ≥ 0.6 mm

[EN 374]

Penetration time of glove material Value for the permeation: Level 6 (≥480min)

Eye/face protection



Tightly sealed goggles

[EN 166]

(Contd. on page 5)

Body protection: Alkaline resistant protective clothing

(Contd. of page 4)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

| | |
|---|--------------------------------------|
| Physical state | Fluid |
| Colour: | Light yellow |
| Odour: | Odourless |
| Melting point/freezing point: | Undetermined. |
| Boiling point or initial boiling point and boiling range | ≥100 °C |
| Flammability | Product is not flammable. |
| Lower and upper explosion limit | |
| Lower: | Not applicable |
| Upper: | Not applicable |
| Flash point: | Not applicable. |
| Auto-ignition temperature: | Product is not selfigniting. |
| Decomposition temperature: | Not determined. |
| pH at 20 °C | 12.5 - 13.5 (10g/l) : 10,0 - 11,0 |
| Viscosity: | |
| Kinematic viscosity at 40 °C | <20.5 mm ² /s |
| Solubility | |
| water: | Fully miscible. |
| Partition coefficient n-octanol/water (log value) | Not determined. |
| Vapour pressure at 20 °C: | 23 hPa (CAS: 7732-18-5 water) |
| Density and/or relative density | |
| Density at 20 °C: | 1.10 - 1.12 g/cm ³ |
| Vapour density | Not determined. |

9.2 Other information

| | |
|--|---|
| Appearance: | |
| Form: | Fluid |
| Important information on protection of health and environment, and on safety. | |
| Explosive properties: | Product does not present an explosion hazard. |
| Change in condition | |
| Evaporation rate | Not determined. |

Information with regard to physical hazard classes

| | |
|--|------|
| Explosives | Void |
| Flammable gases | Void |
| Aerosols | Void |
| Oxidising gases | Void |
| Gases under pressure | Void |
| Flammable liquids | Void |
| Flammable solids | Void |
| Self-reactive substances and mixtures | Void |
| Pyrophoric liquids | Void |
| Pyrophoric solids | Void |
| Self-heating substances and mixtures | Void |
| Substances and mixtures, which emit flammable gases in contact with water | Void |
| Oxidising liquids | Void |
| Oxidising solids | Void |
| Organic peroxides | Void |
| Corrosive to metals | |
| May be corrosive to metals. | |
| Desensitised explosives | Void |

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reactions known.

10.2 Chemical stability Stable under normal conditions.

10.3 Possibility of hazardous reactions Exothermic reaction with strong acids

10.4 Conditions to avoid See Section 7 for information on safe handling.

10.5 Incompatible materials:

acids

strong oxidizing agents

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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

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

LD/LC50 values relevant for classification:

CAS: 10213-79-3 disodium metasilicate-pentahydrate

| | | |
|--------|------|----------------------|
| Dermal | LD50 | >5,000 mg/kg (Ratte) |
|--------|------|----------------------|

CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts

| | | |
|------|------|-------------------------------|
| Oral | LD50 | >5,000 mg/kg (rat) (OECD 401) |
|------|------|-------------------------------|

| | | |
|--------|------|-------------------------------|
| Dermal | LD50 | >2,000 mg/kg (rat) (OECD 402) |
|--------|------|-------------------------------|

Skin corrosion/irritation

OECD 431: Corrosive!

Causes severe skin burns and eye damage.

Serious eye damage/irritation

OECD 431: Corrosive!

Causes serious eye damage.

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.

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

Reproductive toxicity 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

Endocrine disrupting properties

The product contains substances suspected of causing endocrine disruptions with health effects.

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity There are no ecotoxicological data available on this mixture.

Aquatic toxicity:

CAS: 10213-79-3 disodium metasilicate-pentahydrate

| | |
|---------|---------------------------------------|
| EC50/3h | >100 mg/l (microorganisms) (OECD 209) |
|---------|---------------------------------------|

| | |
|------------|----------------------------|
| EC50 / 48h | 1,700 mg/l (Daphnia magna) |
|------------|----------------------------|

| | |
|------------|------------------------------------|
| EC50 / 72h | 207 mg/l (Desmodesmus subspicatus) |
|------------|------------------------------------|

| | |
|-------------|------------------------|
| EC50 / 96 h | 210 mg/l (Danio rerio) |
|-------------|------------------------|

CAS: 147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C8-18(even numbered, C18 unsaturated)) acyl derivs., hydroxides, inner salts

| | |
|-------|---|
| LC 50 | >1-10 mg/l (Pimephales promelas) (OECD 203) |
|-------|---|

| | |
|-----|---|
| EC0 | >100 mg/l (Pseudomonas putida) (OECD 209) |
|-----|---|

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| | |
|------|--|
| EC50 | >1-10 mg/l (<i>Daphnia magna</i>) (OECD 202) |
| | >1-10 mg/l (<i>Desmodesmus subspicatus</i>) (OECD 201) |
| NOEC | ≤1 mg/l (<i>Oncorhynchus mykiss</i>) (OECD210) |
| | ≤1 mg/l (<i>Daphnia magna</i>) (OECD 211) |

12.2 Persistence and degradability

The surface-active substances contained in the product meet the requirement of the EU Detergent Regulation (EC/648/2004) for ultimate biodegradability for surfactants in detergents.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as PBT

vPvB:

According to information provided in the supply chain, the mix contains less than 0.1% of any substances classified as vPvB

12.6 Endocrine disrupting properties

According to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with effects on the environment.

12.7 Other adverse effects

Additional ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste classified as hazardous according to Annex III to Directive 2008/98/EC.

Recommendation Waste must be disposed of while observing the local, official regulations.

European waste catalogue

- 1) Disposal / product
- 2) Disposal / contaminated packaging

| | |
|-----------|--|
| 20 01 29* | detergents containing hazardous substances |
| 15 01 10* | packaging containing residues of or contaminated by hazardous substances |
| HP8 | Corrosive |

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN, IMDG, IATA UN1719

14.2 UN proper shipping name

ADR/RID/ADN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (disodium trioxosilicate)
IMDG, IATA CAUSTIC ALKALI LIQUID, N.O.S. (disodium trioxosilicate)

14.3 Transport hazard class(es)

ADR/RID/ADN



Class

8 (C5) Corrosive substances.

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| | |
|---|---|
| Label | 8 |
| IMDG, IATA | |
|  | |
| Class | 8 Corrosive substances. |
| Label | 8 |
| 14.4 Packing group ADR/RID/ADN, IMDG, IATA | III |
| 14.5 Environmental hazards: Marine pollutant: | No |
| 14.6 Special precautions for user | Warning: Corrosive substances. |
| 14.7 Maritime transport in bulk according to IMO instruments | Not applicable. |
| Transport/Additional information: | |
| ADR/RID/ADN Limited quantities (LQ) | 5L |
| Transport category | 3 |
| Tunnel restriction code | E |
| UN "Model Regulation": | UN1719, CAUSTIC ALKALI LIQUID, N.O.S. (disodium trioxosilicate), 8, III |

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
European Directives:
 Directive 2010/75/EU (VOC) not subject to
 Catégorie SEVESO (DIRECTIVE 2012/18/EU) not subject to
 REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

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| Classification according to Regulation (EC) No 1272/2008 | |
|---|--|
| Corrosive to metals | On basis of test data |
| Skin corrosion/irritation Serious eye damage/eye irritation | The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008. |

Date of previous version: 24.02.2022

Version number of previous version: 6.00

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

DGR: Przepisy dotyczące towarów niebezpiecznych - Dangerous Goods Regulations by IATA

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = letal Concentration

EC50 = half maximal effective concentration

log POW = Octanol / water partition coefficient

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ATE: acute toxicity estimate

ADR: Accord relatif au transport international 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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IOELV = indicative occupational exposure limit values

Met. Corr. 1: Corrosive to metals – Category 1

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Sources

"Regulation (EC) Nr. 1907/2006 (REACH), 1272/2008 (CLP), 648/2004 (Detergents) in the respective valid version. National occupation exposure limits for each country in the respective valid version. Transportation regulations according to ADR, RID, IMDG, IATA in the respective valid version."

* **Data compared to the previous version altered.**