

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 21.05.2014

Version: 3

Revision: 21.05.2014

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

1.1 Product identifier
Trade name: *STIHL Stone & façade cleaner VP20*
Article number:

0797 010 2045

[08.05.2014]

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

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC35 Washing and cleaning products (including solvent based products)

Application of the substance / the mixture Natural Stone and Facade Cleaner

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:

ANDREAS STIHL AG & Co. KG

Badstr. 115

D-71336 Waiblingen

Tel: +49 (0)7151-26-3237

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Produktmanagement Forsttechnik

Tel: +49 (0) 7151-26-3237

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1.4 Emergency telephone number:

Poisen Center Munich:

Tel.: +49 (0)89 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Precautionary statements P102 Keep out of reach of children.

Additional information:

Safety data sheet available on request.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Tensides in aqueous solution with phosphates

Dangerous components:

| | | |
|--|--|------|
| CAS: 68891-38-3 NLP: 500-234-8 Reg.nr.: 01-2119488639-16-XXXX | alkyl ether sulfate C12-14 with EO, sodium salt ☒ Xi R38-41 ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; Aquatic Chronic 3, H412 | < 5% |
| CAS: 15763-76-5 EINECS: 248-983-7 Reg.nr.: 01-2119489411-37-XXXX | sodium-p-cumene sulphonate ☒ Xi R36 ⚠ Eye Irrit. 2, H319 | < 5% |

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

phosphates, anionic surfactants

< 5%

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

SECTION 4: First aid measures

4.1 Description of first aid measures
General information: Remove soiled clothing

After inhalation: No special measures required

After skin contact:

Generally the product does not irritate the skin.

Wash the areas of skin affected with water and a mild detergent.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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 No further relevant information available.

5.3 Advice for firefighters
Protective equipment: The normal measures for firefighting are to be taken.

SECTION 6: Accidental release measures

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

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:

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 No special precautions are necessary if used correctly.

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: Prevent any seepage into the ground.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Protect from frost.

Recommended storage temperature: 20 °C.

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
68891-38-3 alkyl ether sulfate C12-14 with EO, sodium salt

| | | |
|------------|------|---|
| Oral | DNEL | 15 mg/kg (VL) |
| Dermal | DNEL | 1650 mg/kg (VL) 2750 mg/kg (worker long-term) |
| Inhalative | DNEL | 52 mg/m ³ (VL) 175 mg/m ³ (worker long-term) |

15763-76-5 sodium-p-cumene sulphonate

| | | |
|------------|------|--|
| Oral | DNEL | 3.8 mg/kg bw/day (consumer) (longterm systematic effects) |
| Dermal | DNEL | 3.8 mg/kg bw/day (consumer) (longterm systematic effects) 7.6 mg/kg bw/day (worker) (longterm systematic effects) |
| Inhalative | DNEL | 13.2 mg/m ³ (consumer) (longterm systematic effects) 53.6 mg/m ³ (worker) (longterm systematic effects) |

PNECs
68891-38-3 alkyl ether sulfate C12-14 with EO, sodium salt

| | |
|------|--|
| PNEC | 10000 mg/l (Kläranlage) 0.071 mg/l (sporadic release) 5.45 mg/kg (sediment (fresh water)) 0.545 mg/kg (sediment (sea water)) 0.946 mg/kg (soil) 0.24 mg/l (water (fresh water)) 0.024 mg/l (water (sea water)) |
|------|--|

15763-76-5 sodium-p-cumene sulphonate

| | |
|------|---|
| PNEC | 100 mg/l (STP) 0.23 mg/l (freshwater (Süßwasser)) 2.3 mg/l (water (intermittent release)) |
|------|---|

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

8.2 Exposure controls

Personal protective equipment:
General protective and hygienic measures:

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

Wash hands before breaks and at the end of work.

Keep away from foodstuffs, beverages and feed.

Respiratory protection: Not required.

Protection of hands: Not required in normal cases

Eye protection: Not required in normal cases

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information
Appearance:

| | |
|-------------------------|-----------------|
| Form: | Fluid |
| Colour: | Yellow |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |

pH-value: 10.5 - <11.5

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| | |
|---|---|
| Change in condition | |
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | ≥100 °C |
| Flash point: | Not applicable. |
| Flammability (solid, gaseous): | Not applicable. |
| Ignition temperature: | |
| Decomposition temperature: | Not determined. |
| Self-igniting: | Product is not selfigniting. |
| Danger of explosion: | Product does not present an explosion hazard. |
| Explosion limits: | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| Vapour pressure: | Not determined. |
| Density at 20 °C: | 1.10 - 1.11 g/cm ³ |
| Relative density | Not determined. |
| Vapour density | Not determined. |
| Evaporation rate | Not determined. |
| Solubility in / Miscibility with water: | Fully miscible. |
| Partition coefficient (n-octanol/water): | Not determined. |
| Viscosity: | |
| Flow time at 20 °C | 10 - 15 s (DIN EN ISO 2431/4mm) |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| 9.2 Other information | No further relevant information available. |

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** No dangerous reactions known.
- 10.4 Conditions to avoid** See Section 7 for information on safe handling.
- 10.5 Incompatible materials:** No further relevant information available.
- 10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects There are no toxicological findings on this mixture.

Acute toxicity:

LD/LC50 values relevant for classification:

68891-38-3 alkyl ether sulfate C12-14 with EO, sodium salt

| | | |
|------|------|------------------------------|
| Oral | LD50 | >2000 mg/kg (rat) (OECD 401) |
|------|------|------------------------------|

15763-76-5 sodium-p-cumene sulphonate

| | | |
|------|------|------------------|
| Oral | LD50 | 7200 mg/kg (rat) |
|------|------|------------------|

| | | |
|--------|------|------------------|
| Dermal | LD50 | 2000 mg/kg (rat) |
|--------|------|------------------|

Primary irritant effect:

on the skin:

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

on the eye:

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

Sensitization:

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

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Repeated dose toxicity

On the basis of the available data, the classification criteria are not complied with (Conventional Method).

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

None of the ingredients are known to have effects which are carcinogenic, mutagenic or harmful to reproduction.

SECTION 12: Ecological information

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

Aquatic toxicity:
68891-38-3 alkyl ether sulfate C12-14 with EO, sodium salt

| | |
|-------|---------------------------------------|
| EC0 | >100 mg/l (bacteria) (OECD 209) |
| LC 50 | >10 - ≤100 mg/l (fish) (ISO 7346/2) |
| NOEC | >0.1 - 1 mg/l (aquatic invertebrates) |

15763-76-5 sodium-p-cumene sulphonate

| | |
|-------|-------------------------------|
| EC50 | 1000 mg/l (Daphnia magna) |
| IC 50 | 230 mg/l (seaweed (Seegrass)) |
| LC 50 | 1000 mg/l (fish) |

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.

Additional ecological information:
General notes:

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

The product does not contain organically bounded halogens (AOX-free).

The product does not contain organic complexing agents.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation

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

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

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

| | |
|----------|---|
| 20 01 30 | detergents other than those mentioned in 20 01 29 |
|----------|---|

| | |
|----------|-------------------|
| 15 01 02 | plastic packaging |
|----------|-------------------|

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA Void

14.2 UN proper shipping name
ADR, IMDG, IATA Void

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class Void

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| | |
|--|------|
| 14.4 Packing group ADR, IMDG, IATA | Void |
|--|------|

| | |
|---|----|
| 14.5 Environmental hazards: Marine pollutant: | No |
|---|----|

| | |
|--|-----------------|
| 14.6 Special precautions for user | Not applicable. |
|--|-----------------|

| | |
|-------------------------------|---|
| UN "Model Regulation": | - |
|-------------------------------|---|

SECTION 15: Regulatory information

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

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

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

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)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

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

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = Lethal Concentration

EC50 = half maximal effective concentration

log POW = Octanol / water partition coefficient

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 (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

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