

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.11.2012

Version: 2

Revision: 23.11.2012

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

1.1 Product identifier

Trade name: STIHL All-Purpose Cleaner CB 90

Article number:

0797 010 2046

[16.12.2010]

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 preparation All purpose cleaner

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

ANDREAS STIHL AG & Co. KG

Badstr. 115

D-71336 Waiblingen

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Further information obtainable from:

Produktmanagement Forsttechnik

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

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1.4 Emergency telephone number:

Poison Center Munich:

Tel.: +49 (0)89 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

2.2 Label elements

Labelling according to EU guidelines:

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.

Observe the general safety regulations when handling chemicals.

Safety phrases:

2 Keep out of the reach of children.

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	< 5%
CAS: 28085-69-0 EINECS: 246-827-8 Reg.nr.: 01-2119489427-24-XXXX	Potassium cumene sulphonate ☒ Xi R36 ☒ Eye Irrit. 2, H319	< 5%

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CAS: 28348-53-0 EINECS: 248-983-7 Reg.nr.: 01-2119489411-37-XXXX	sodium cumene sulphonate ☒ Xi R36 ☒ Eye Irrit. 2, H319	< 5%
CAS: 577-11-7 EINECS: 209-406-4 Reg.nr.: 01-2119491296-29-xxxx	Sodium diisooctyl sulphosuccinate ☒ Xi R38-41 ☒ Eye Dam. 1, H318; ☒ Skin Irrit. 2, H315	< 5%

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

phosphates	5 - 15%
anionic surfactants	< 5%
methylisothiazolinone, benzisothiazolinone	

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: No special measures required.

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.

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 Not required.

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.

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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.

Storage class: 12

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

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 langzeit)
Inhalative	DNEL	52 mg/m ³ (VL)
		175 mg/m ³ (worker langzeit)

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

PNEC	10000 mg/l (Kläranlage)
	0.071 mg/l (Sporadische Freisetzung)
	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))

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.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

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:	Green
Odour:	Characteristic
Odour threshold:	Not determined.

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pH-value at 20°C:	10.0 - 11.0 (1:10): 8,5 - 9,5
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:	1.06 - 1.07 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)
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28348-53-0 sodium cumene sulphonate

Oral	LD50	>2000 mg/kg (rat) (OECD-Prüfrichtlinie 401)
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577-11-7 Sodium diisooctyl sulphosuccinate

Oral	LD50	4200 mg/kg (rat)
Dermal	LD50	10000 mg/kg (rat)
Inhalative	LC50/4h	20 mg/l (rat)

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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).

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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)

28348-53-0 sodium cumene sulphonate

EC50 / 48h	>100 mg/l (daphnia) (OECD-Prüfrichtlinie 202)
EC50 / 72h	>100 mg/l (algae) (OECD-Prüfrichtlinie 201)
LC 50 / 96 h	>100 mg/l (fish) (OECD-Prüfrichtlinie 203)

577-11-7 Sodium diisooctyl sulphosuccinate

LC 50 / 96 h	20 mg/l (fish)
LC50 / 48h	36 mg/l (Daphnia magna)

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.

28348-53-0 sodium cumene sulphonate

Biodegradation	>60 % (-) (OECD TG 301 B)
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577-11-7 Sodium diisooctyl sulphosuccinate

Biodegradation	95 % (-) (28d , OECD 301A)
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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.
 Smaller quantities can be disposed of with household waste.

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European waste catalogue

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

20 01 30	detergents other than those mentioned in 20 01 29
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15 01 02	plastic packaging
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SECTION 14: Transport information

14.1 UN-Number
ADR, ADN, IMDG, IATA Void

14.2 UN proper shipping name
ADR, ADN, IMDG, IATA Void

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

14.4 Packing group
ADR, IMDG, IATA Void

14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user Not applicable.

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.

R36 Irritating to eyes.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

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

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

IATA: International Air Transport Association

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NOEL = No Observed Effect Level

NOEC = No Observed Effect Concentration

LC = letal Concentration

EC50 = half maximal effective concentraion

log POW = Octanol / water partition coefficient

IOELV = indicative occupational exposure limit values

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)