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

Printing date 29.11.2012 Version: 2 Revision: 29.11.2012

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

1.1 Product identifier

Trade name: STIHL Scale Inhibitor CA 50

Article number:
0797 010 2048
[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 PC37 Water treatment chemicals
Application of the substance / the preparation Concentrated anti-liming agent

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
Fax: +49 (0)7151-26-8-3237
info@stihl.com

Further information obtainable from:
Produktmanagement Forsttechnik
Tel: +49 (0) 7151-26-3237
Fax: +49 (0)7151-26-83237

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 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: Chelating agents in aqueous solution

Dangerous components: Void

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.

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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.*

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.

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

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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:	*Light yellow*
Odour:	*Characteristic*
Odour threshold:	*Not determined.*
pH-value at 20°C:	*10.5 - <11.5*
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:	*1.03 - 1.04 g/cm³*
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.*

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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:
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 (carcinogenity, 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: No further relevant information available.
12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
Additional ecological information:
General notes: The product may not be released into the environment without control.
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.
European waste catalogue
1) Disposal / product
2) Disposal / contaminated packaging

07 01 01*	aqueous washing liquids and mother liquors
15 01 02	plastic packaging

SECTION 14: Transport information

14.1 UN-Number	
ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name	
ADR, ADN, IMDG, IATA	Void

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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.

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 Conentration
EC50 = half maximal effective conentraion
log POW = Octanol / water partition coefficient
IOELV = indicative occupational exposure limit values
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)