

Material Safety Data Sheet

According to 91/155 EEC

Printing date 15.07.2005

Reviewed on 15.07.2005



1 Identification of substance:

- **Product details:**
- **Trade name:** *Stihl Spezialreiniger*
Special cleansing agent, dissolves resin and bio oil residues.
- **Article number:** 0000 881 9400, 0000 881 9409
- **Application of the substance / the preparation** Resin and Oil dissolver
- **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
- **Informing department:**
Produktmanagement Forsttechnik
Tel: +49(0)7151-26-3237
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- **Emergency information:**
Tel: +49-621-60-43333
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2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Cleansing agent, contains amphoteric surfactants and silicates.

- **Dangerous components:**

	Kokosfettsäure-amidopropyl-dimethyl-carboxy-methyl-ammonium-betain  Xi; R 36-52	2.5-10%
CAS: 6834-92-0 EINECS: 229-912-9	disodium metasilicate  C; R 34-37	2.5-10%

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

3 Hazards identification

- **Hazard designation:**



Xi Irritant

- **Information pertaining to particular dangers for man and environment**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 36/38 Irritating to eyes and skin.

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· **Classification system**

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4 First aid measures

- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact**
Keep eye lids open and rinse them amply with clean running water for at least 15 minutes.
Call a doctor immediately.
- **After swallowing** Drink copious amounts of water and provide fresh air. Instantly call for doctor.

5 Fire fighting measures

- **Suitable extinguishing agents**
The product itself does not burn.
Use fire fighting measures that suit the environment.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Inform respective authorities in case product reaches water or sewage system.
Do not allow to enter drainage system, surface or ground water.
- **Measures for cleaning/collecting:**
Dilution with water is possible.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

7 Handling and storage

- **Handling**
- **Information for safe handling:** Avoid contact with eyes and skin.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Prevent any penetration into the ground.
- **Information about storage in one common storage facility:**
Do not store together with acids.
Store away from foodstuffs.
- **Further information about storage conditions:** Protect from frost.

8 Exposure controls and personal protection

- **Components 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 that were valid during the compilation were used as basis.

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- **Personal protective equipment**
- **General protective and hygienic measures**
 Take off immediately all contaminated clothing
 Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves** Natural rubber, NR
- **Penetration time of glove material** Value for the permeation: Level \geq 480 min
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form:	Fluid
Colour:	Colourless
Odour:	Characteristic

· Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: 100°C

· **Flash point:** Not applicable

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Density at 20°C** 1.11 g/cm³

· Solubility in / Miscibility with Water:

Fully miscible

· **pH-value at 20°C:** 12.5 - 13.5

· Viscosity:

kinematic at 20°C: 10-15 s (ISO 2431)

· Solvent content:

Organic solvents: 0.0 %

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· Dangerous reactions

No dangerous reactions known

· Dangerous products of decomposition:

None in case of intended use and storage in compliance with instructions.

11 Toxicological information

· Acute toxicity:

· Primary irritant effect:

· **on the skin:** Irritant to skin and mucous membranes.

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- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**
 The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
 Irritant

12 Ecological information:

- **General notes:**
 The surfactant(s) contained in this preparation complies(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.
 Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
 Do not allow product to reach ground water, water bodies or sewage system.
 Danger to drinking water if even small quantities leak into soil.

13 Disposal considerations

- **Product:**
- **Recommendation**
 The product is suitable for processing by an approved recycling facility or can be disposed of at any government approved waste disposal facility.
 The waste code numbers mentioned are recommendations based on the probable use of the product.
- **European waste catalogue**

20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 29	detergents containing dangerous substances
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 04	other organic solvents, washing liquids and mother liquors
- **Uncleaned packagings:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID-GGVS/E Class:** 8 (C5) Corrosive substances.
- **Kemler Number:** 80
- **UN-Number:** 1719
- **Packaging group:** III

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- **Label** 8
- **Designation of goods:** 1719 CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM TRIOXOSILICATE)

- **Maritime transport IMDG:**



- **IMDG Class:** 8
- **UN Number:** 1719
- **Label** 8
- **Packaging group:** III
- **EMS Number:** F-A, S-B
- **Marine pollutant:** No
- **Correct technical name:** CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM TRIOXOSILICATE)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 1719
- **Label** 8
- **Packaging group:** III
- **Correct technical name:** CAUSTIC ALKALI LIQUID, N.O.S. (DISODIUM TRIOXOSILICATE)

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

- **Code letter and hazard designation of product:**



Xi Irritant

- **Risk phrases:**
36/38 Irritating to eyes and skin.
- **Safety phrases:**
2 Keep out of the reach of children.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
37/39 Wear suitable gloves and eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.
- **National regulations**
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

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16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

34 Causes burns.

36 Irritating to eyes.

37 Irritating to respiratory system.

52 Harmful to aquatic organisms.

· **Department issuing data specification sheet:**

The safety data sheets were drawn up in cooperation with the Umweltkanzlei Dr. Rhein, Phone: +49(0)5066-900990 and the Dekra Umwelt GmbH, Phone: +49(0)511-96355-0.

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