



Test Report

No. 2101119/EC

Date : Dec 04 2009

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TECHLINK
UNITS 7 & 8, BAT & BALL ENTERPRISE CENTRE,
BAT & BALL RD, SEVENOAKS,
KENT, TN14 5LJ,
ENGLAND

This report supersedes all previous documents bearing the test report number 2100999/EC.

The following sample was submitted and identified on behalf of the client as :
ANTI-GERM SCREEN CLEANER

SGS Job No.	:	1308722
Product Code	:	SC-0112
Product Nature	:	ANTI-GERM SCREEN CLEANING LIQUID
End Uses	:	CLEAN
Country of Destination	:	CHINA
Sample Receiving Date	:	NOV 24 2009
Testing Period	:	NOV 24 – DEC 02 2009

Requested : MSDS preparation for the submitted information, please refer the appendix.

Signed for and on behalf of
SGS Hong Kong Ltd

Tsui Hoi Ping, Patrick
Senior Technical Development Manager

*** End of Report ***

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only

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Safety Data Sheet

1907/2006/EC

Printing date 04.12.2009

Revision: 30.11.2009

1 Identification of the substance/preparation and of the company

- **Product details**
- **Trade name:** Anti-Germ Screen Cleaner
- **Article number:** SC-0112
- **Registration number** Not available
- **Application of the substance / the preparation** Clean
- **Manufacturer/Supplier:**
Techlink
Units 7 & 8, Bat & Ball Enterprise Centre, Bat & Ball Rd, Sevenoaks, Kent, TN14 5LJ, England
Tel: +44-0-1732-779-400
Fax: +44-0-1732-779-344
Email: david@techlink.uk.com
- **Further information obtainable from:** Techlink
- **Information in case of emergency:**
David D'Rozario
Tel: +44-0-1732-779-400
- **Reference Number:** 4104382-001


2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product does not have to be labelled due to the calculation procedure based on the EU directives of classification and labelling of substance and preparations (67/548/EEC, 1999/45/EC and 1272/2008/EC).
- **Classification system:**
The classification is according to the latest editions of the EU Directives 67/548/EEC and 1999/45/EC, and extended by company and literature data.
- **Additional information:**
Important! This product contains substances that are of restricted use under Annex XVII of Regulation (EC) No. 1907/2006. For details, please refer to Section 15 and 16 of this Safety Data Sheet.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:**
Mixture of substances listed below with nonhazardous additions.
For the wording of the listed risk phrases refer to section 16.

- **Dangerous components:**

CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3	1-methoxy-2-propanol	R 10	3,0%
CAS: 80-71-7 EINECS: 201-303-2	2-hydroxy-3-methylcyclopent-2-enone	 Xn; R 22	0,4%

- **Non-dangerous components:**
For the wording of the listed risk phrases refer to section 16.

CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity		96,0%
CAS: 2764-13-8 EINECS: 220-432-5	(2-hydroxyethyl)dimethyl[3-[(1-oxooctadecyl)amino]propyl]ammonium nitrate		0,3%

- **Remark:**
1-methoxy-2-propanol (CAS no. 107-98-2)
Synonyms: Low Activeness Additive

2-hydroxy-3-methylcyclopent-2-enone (CAS no. 80-71-7)
Synonyms: Essence

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(2-hydroxyethyl)dimethyl[3-[(1-oxooctadecyl)amino]propyl]ammonium nitrate (CAS no. 2764-13-8)

Synonyms: Anti-Static

4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Dilute with plenty of water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Store in cool, dry place in tightly closed receptacles.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from flammable substances.
- **Further information about storage conditions:** Store in a cool place.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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EU

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· Ingredients with limit values that require monitoring at the workplace:
107-98-2 1-methoxy-2-propanol

IOELV (EU)	Short-term value: 568 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Skin
REL (USA)	Short-term value: 540 mg/m ³ , 150 ppm Long-term value: 360 mg/m ³ , 100 ppm
TLV (USA)	Short-term value: 553 mg/m ³ , 150 ppm Long-term value: 369 mg/m ³ , 100 ppm
WEL (Great Britain)	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Sk

· **DNELs** Not available

· **PNECs** Not available

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

· **Personal protective equipment:**

· **General protective and hygienic measures:**

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

· **Respiratory protection:** Not required.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	Transparent
Odour:	Odourless

· Change in condition

Melting point/Melting range:	Not available
Boiling point/Boiling range:	Not available

· Flash point:

>99°C

· Flammability (solid, gaseous):

Not available

· Self-igniting:

Product is not selfigniting.

· Danger of explosion:

Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not available
Upper:	Not available

· Oxidizing properties:

Not available

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· Vapour pressure:	Not available
· Density:	Not available
· Relative density:	Not available
· Vapour density:	Not available
· Evaporation rate:	Not available
· Solubility in / Miscibility with water:	Fully miscible.
· pH-value:	Not available
· Segregation coefficient (n-octanol/water):	Not available
· Viscosity:	
Dynamic:	Not available

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

107-98-2 1-methoxy-2-propanol

Oral	LD50	5660 mg/kg (rat)
Dermal	LD50	13000 mg/kg (rabbit)
Inhalative	LC50/4 h	6 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Irritating effect possible
- **on the eye:** Irritating effect possible
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product is not subject to classification according to the calculation method based on the EU directives (67/548/EEC and 1999/45/EC).
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **Toxicokinetics, metabolism and distribution** Not available
- **Acute effects (acute toxicity, irritation and corrosivity)** Not available
- **Repeated dose toxicity** Not available
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)** Not available

12 Ecological information

- **Information about elimination (persistence and degradability):** Not available
- **Behaviour in environmental systems:** Not available
- **Ecotoxicological effects:**
- **Aquatic toxicity:** Not available
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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

· **PBT assessments** Not available

13 Disposal considerations

· **Product:**

· **Recommendation:**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

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

- **ADR/RID class:** -
- **Danger code (Kemler):** -
- **UN-Number:** -
- **Hazard label:** -
- **Special marking:** -
- **Description of goods:** -
- **Limited quantities (LQ)** -
- **Transport category** -
- **Tunnel restriction code:** -

· **Maritime transport IMDG:**

- **IMDG Class:** -
- **UN Number:** -
- **Label:** -
- **Packaging group:** -
- **EMS Number:** -
- **Marine pollutant:** No
- **Proper shipping name:** -

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

- **ICAO/IATA Class:** -
- **UN/ID Number:** -
- **Label** -
- **Special marking:** -
- **Packaging group:** -
- **Proper shipping name:** -

15 Regulatory information

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

7732-18-5 water, distilled, conductivity or of similar purity

107-98-2 1-methoxy-2-propanol

80-71-7 2-hydroxy-3-methylcyclopent-2-enone

2764-13-8 (2-hydroxyethyl)dimethyl[3-[(1-oxooctadecyl)amino]propyl]ammonium nitrate

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- **Proposition 65**

- **Chemicals known to cause cancer**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

- **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives 67/548/EEC, 1999/45/EC and 1272/2008/EC.

- **Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

- **National regulations:**

- **Other regulations, limitations and prohibitive regulations**

- **Candidate List of Substances of very high concern (SVHC) according to ECHA (28/10/2008)**

None of the ingredients is listed.

- **REACH Regulation Title XVII Restriction**

107-98-2 | 1-methoxy-2-propanol

- **REACH Regulation Title XIV Authorization** None of the ingredients is listed.

16 Other information

 The contents and format of this MSDS/SDS are in accordance with REGULATION(EC) No 1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC

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the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

· **Relevant R-phrases**

10 Flammable.

22 Harmful if swallowed.

· **Remark 1:**

REACH Annex XVII Restricted- 3

1-methoxy-2-propanol (CAS no. 107-98-2)

1. Shall not be used in:

- ornamental articles, intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

2. Articles not complying with paragraph 1 shall not be placed on the market.

3. Shall not be placed on the market if they contain a colouring agent unless required for fiscal reasons or perfume or both and if they:

- present an aspiration hazard and are labelled with R65 or H304, and,
- can be used as fuel in decorative lamps, and,
- are packaged in containers of a capacity of 15 litres or less.

4. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of substances and mixtures covered by paragraph 3, where intended for use in lamps, is marked visibly, legibly and indelibly as follows:

"Keep lamps filled with this liquid out of the reach of children".

· **Remark 2:**

REACH Annex XVII Restricted- 40

1-methoxy-2-propanol (CAS no. 107-98-2)

1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- "whoopee" cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:

"For professional users only".

3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC [2].

4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

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