

COVERAGE FOR SWITZERLAND

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| SECTION 1 | DESIGNATION OF THE MIXTURE AND THE COMPANY |
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1.1 Product identifier

Product name : BILGE CLEANER
Item number : 80500
UFI : 49X5-R7UA-T00A-PS25

1.2 Uses of the mixture

SU21 Consumer product, Boat and ship maintenance

1.3 Details about the supplier

Supplier : TELL's Power AG
Bahnhofweg 2 + 4
CH-6405 Immensee

Phone : 041 850 77 44
E-Mail : info@tellspower.ch
Website : www.tellspower.ch

1.4 Emergency number

EMERGENCY PHONE TOX Center: **145** (24 hrs.)

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING *

1.1. Product identifier

Product name : STAR BRITE BILGE CLEANER
Product code : 80500

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

Application : SU21 Consumer product. PC35 Cleaning agent. Boat maintenance.

1.3. Details of the supplier of the safety data sheet

Supplier : Star Brite Europe Inc.
86 bis route de Brignais
69630 Chaponost, France
Telephone : +33-478-56-77-80
Fax : +33-472-39-97-96
E-mail : jp.kitzinger@starbrite-europe.com
Website : www.starbrite.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

Telephone : 144, 118, 117, 145

SECTION 2 HAZARDS IDENTIFICATION *

2.1. Classification of the substance or mixture

CLP classification : Not classified as dangerous according to Regulation (EC) No 1272/2008.
(1272/2008/EC)

Human health hazards : Low hazard for usual industrial or commercial handling.
Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives. Combustible.
Environmental hazards : Not classified as dangerous according to statutory EC-Directives.
Other information : Keep out of the reach of children.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms : None.

Signal word : Not applicable.

H- and P-phrases : None.

Additional labelling (99/45/EC and/or 1272/2008/EC)
: Keep out of reach of children.

Ingredient declaration according to Regulation 648/2004:

| Contains: | Concentration (%) |
|---|-------------------|
| Anionic surfactants , Non-ionic surfactants , Amphoteric surfactants | < 5 |
| Perfumes, Geraniol, dmdm hydantoin, Methylchloroisothiazolinone, Methylisothiazolinone. | |

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS *

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

| Substance name | Concentration (w/w) (%) | CAS nr. | EC number | Remark | REACH nr. |
|---------------------------------|-------------------------|------------|-----------|--------|-----------|
| (2-Methoxymethylethoxy)propanol | 1 - < 5 | 34590-94-8 | 252-104-2 | MAC | |
| Propan-2-ol | 1 - < 5 | 67-63-0 | 200-661-7 | | |

Occupational exposure limit(s), if relevant, are listed in section 8.

| Substance name | Hazard Class | H-phrases | Pictograms |
|---------------------------------|---------------------------------------|------------------|--------------|
| (2-Methoxymethylethoxy)propanol | ----- | ----- | ----- |
| Propan-2-ol | Flam. Liq. 2; Eye Irrit. 2; STOT SE 3 | H225; H319; H336 | GHS02; GHS07 |

Reference is made to chapter 16 for full text of each relevant H phrase.

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| SECTION 4 FIRST-AID MEASURES | * |
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4.1. Description of first aid measures

First aid measures

- Inhalation : Move victim into fresh air. Consult a doctor if victim feels unwell.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water before product dries up.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor if irritation persists.
- Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Give condensed milk or a knob of butter. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.

4.2. Most important symptoms and effects, both acute and delayed

Effects and symptoms

- Inhalation : May cause headache, dizziness and a feeling of sickness.
- Skin contact : May cause dry skin.
- Eye contact : May cause stinging of eyes and redness.
- Ingestion : May cause a feeling of sickness, vomiting and diarrhoea.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians : None known.

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| SECTION 5 FIRE-FIGHTING MEASURES |
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5.1. Extinguishing media

Extinguishing media

- Suitable : Carbondioxide (CO₂). Foam. Dry chemical. Water fog.
- Not suitable : None known.

5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : None known.
- Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

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| SECTION 6 | ACCIDENTAL RELEASE MEASURES | * |
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6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles.

6.2. Environmental precautions

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water.

6.4. Reference to other sections

Reference to other sections : See also section 8.

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| SECTION 7 | HANDLING AND STORAGE | * |
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7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Keep away from sources of ignition — No smoking. Do not breathe vapour. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents.
 Recommended packaging : Keep only in the original container.
 Non recommended packaging : Steel (except stainless steel).

7.3. Specific end use(s)

Use : Use only as directed. Do not mix with other products.

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| SECTION 8 | EXPOSURE CONTROLS/PERSONAL PROTECTION | * |
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8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m³):

| Chemical name | Country | TWA 8 hour (mg/m ³) | STEL 15 min (mg/m ³) | Comments |
|---------------------------------|---------|---------------------------------|----------------------------------|----------|
| (2-Methoxymethylethoxy)propanol | GB | 308 | - | Skin |
| (2-Methoxymethylethoxy)propanol | EC | 308 | - | Skin |
| Propan-2-ol | GB | 999 | 1250 | - |

Derived no-effect level (DNEL) for workers:

| Chemical name | Route of exposure | DNEL, short-term | DNEL, long-term |
|---------------|-------------------|------------------|-----------------|
| | | | |

| | | Local effect | Systemic effect | Local effect | Systemic effect |
|---------------------------------|------------|--------------|-----------------|--------------|-----------------------|
| (2-Methoxymethylethoxy)propanol | Dermal | | | | 65 mg/kg bw/day |
| Propan-2-ol | Inhalation | | | | 310 mg/m ³ |
| | Dermal | | | | 888 mg/kg bw/day |
| | Inhalation | | | | 500 mg/m ³ |

Derived no-effect level (DNEL) for consumers:

| Chemical name | Route of exposure | DNEL, short-term | | DNEL, long-term | |
|---------------------------------|-------------------|------------------|-----------------|-----------------|------------------------|
| | | Local effect | Systemic effect | Local effect | Systemic effect |
| (2-Methoxymethylethoxy)propanol | Dermal | | | | 15 mg/kg bw/day |
| | Inhalation | | | | 37,2 mg/m ³ |
| | Oral | | | | 1,67 mg/kg bw/day |
| Propan-2-ol | Dermal | | | | 319 mg/kg bw/day |
| | Inhalation | | | | 89 mg/m ³ |
| | Oral | | | | 26 mg/kg bw/day |

Predicted no-effect concentration (PNEC):

| Chemical name | Route of exposure | Fresh water | Marine water | |
|---------------------------------|--------------------|-------------|--------------|----------------|
| (2-Methoxymethylethoxy)propanol | Water | 19 mg/l | 1,9 mg/l | |
| | Sediment | 70,2 mg/kg | 7,02 mg/kg | |
| | Intermittent water | | | 190 mg/l |
| | STP | | | 4168 mg/l |
| | Soil | | | 2,74 mg/kg |
| Propan-2-ol | Water | 140,9 mg/l | 140,9 mg/l | |
| | Sediment | 552 mg/kg | 552 mg/kg | |
| | Intermittent water | | | 140,9 mg/l |
| | STP | | | 2251 mg/l |
| | Soil | | | 28 mg/kg |
| | Oral | | | 160 mg/kg food |

8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

Body protection : Use of specific protective industrial clothing is not required under normal conditions of use.

Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.

Hand protection : Under normal conditions of use specific gloves are not required.

Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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9.1. Information on basic physical and chemical properties

Appearance : Liquid.

Colour : Blue.

Odour : Perfumed.

Odour threshold : Not known.

pH : 10,5

Solubility in water : Soluble.

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| Partition coefficient (n-octanol/water) | : Not applicable. | Contains surfactants. The O/W system emulsifies. |
| Flash point | : > 60 °C | |
| Flammability (solid, gas) | : Not applicable. | Liquid. See flashpoint. |
| Auto ignition temperature | : > 180 °C | |
| Boiling point/boiling range | : 100 °C | |
| Melting point/melting range | : 0 °C | |
| Explosive properties | : None known. | Does not contain explosives. |
| Explosion limits (% in air) | : Not known. | Lower explosion limit in air (%): 1,1 ((2-Methoxymethylethoxy)propanol) |
| | : | Upper explosion limit in air (%): 14 |
| Oxidising properties | : Not applicable. | Does not contain oxidizing substances. |
| Decomposition temperature | : Not applicable. | |
| Viscosity (20°C) | : Not known. | |
| Viscosity (40°C) | : Not relevant. | The product contains < 10% substances having an aspiration hazard. |
| Vapour pressure (20°C) | : Not known. | |
| Vapour density (20°C) | : > 1 | (air = 1) |
| Relative density (20°C) | : 1,02 g/ml | |
| Evaporation rate | : < 1 | (n-butyl acetate = 1) |

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| SECTION 10 STABILITY AND REACTIVITY |
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10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

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| SECTION 11 TOXICOLOGICAL INFORMATION | * |
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11.1. Information on toxicological effects

No toxicological research has been carried out on this product.

Inhalation

- Acute toxicity : Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 4 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause headache, dizziness and a feeling of sickness.
- Corrosion/irritation : Not classified - based on available data, the classification criteria are not met.
- Sensitisation : Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

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| Mutagenicity | : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met. |
| Skin contact | |
| Acute toxicity | : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: 2 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met. |
| Corrosion/irritation | : Prolonged contact may dry out and defat the skin. Not classified - based on available data, the classification criteria are not met. |
| Sensitisation | : Not classified - based on available data, the classification criteria are not met. |
| Mutagenicity | : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met. |
| Eye contact | |
| Corrosion/irritation | : Slight irritation possible. Not classified - based on available data, the classification criteria are not met. |
| Ingestion | |
| Acute toxicity | : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met. |
| Corrosion/irritation | : May cause a feeling of sickness, vomiting and diarrhoea. Not classified - based on available data, the classification criteria are not met. |
| Carcinogenicity | : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met. |
| Mutagenicity | : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met. |

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| SECTION 12 | ECOLOGICAL INFORMATION | * |
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12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 166 mg/l. Calculated EC50 (waterflea): 178 mg/l. Contains 2 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Persistence – degradability : No specific information known. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB ass

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

12.6. Other adverse effects

Other information : Not applicable.

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| SECTION 13 | DISPOSAL CONSIDERATIONS | * |
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13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as chemical waste. Dispose waste to an official chemical waste depot.

Additional warning : None.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

14.1. UN number

UN nr. : None.

14.2. UN proper shipping name

Transport name : Not regulated.

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID (road / railway)

Class : This product is not classified according to ADR/RID.

IMDG (sea)

Class : This product is not classified according to IMDG.

Marine pollutant : No

IATA (air)

Class : This product is not classified according to IATA.

14.6. Special precautions for user

Other information : Country specific variations may apply.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EC) No 453/2010 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION

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16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EC) No 453/2010 dated 20 May 2010 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

Full text of H-phrases mentioned in section 3:

| | |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

| | |
|---------------|---|
| ADR | : European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | : Acute Toxicity Estimate |
| CLP | : Classification, Labeling & Packaging |
| CMR | : Carcinogenic, Mutagenic or toxic for Reproduction |
| EEC | : European Economic Community |
| IATA | : International Air Transport Association |
| IBC code | : International Bulk Chemical Code |
| IMDG | : International Maritime Dangerous Goods Code |
| LD50/LC50 | : Lethal Dose/Concentration for 50% of a population |
| MAC | : Maximum Allowable Concentration |
| MARPOL | : International Convention for the Prevention of Pollution From Ships |
| NO(A)EL | : No Observed (Adverse) Effect Level |
| OECD | : Organisation for Economic Co-operation and Development |
| PBT | : Persistent, Bioaccumulative and Toxic |
| PC | : Chemical product category |
| PT | : Product type |
| REACH | : Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | : Regulations concerning the International Carriage of Dangerous Goods by Rail |
| STP | : Sewage Treatment Plant |
| SU | : Sector of Use |
| TWA/STEL | : Time-Weighted Average/Short Term Exposure Limit |
| UN | : United Nations |
| VOC | : Volatile Organic Compounds |
| vPvB | : Very Persistent and Very Bioaccumulative |
| Number format | : "," used as decimal separator. |

History

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|----------------------|--------------|---|
| Date of first issue | : 14-06-2005 | |
| Date of second issue | : 03-04-2012 | |
| Date of third issue | : 10-12-2014 | Herewith all previous issues are expired. |