

SAFETY DATA SHEET

2001/58/EC

Print date: 30/12/2011 12:24:00
Revision Date: 03.03.2002

Ref. 014/03/eng
Page 1 of 5

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name Star brite Teak Brightener
Product code 81516, 81532, 81500
Use of the Preparation Cleaning agent
Supplier Starbrite4041 S. W. 47 Avenue
Ft. Lauderdale, FL 33314
USA
Telephone 1 954 587 6280
Telefax 1 954 587 2813
Emergency telephone number ++1 703 527 3887 (Chemtrec USA)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation Star brite Teak Brightener
Chemical nature of the preparation Aqueous solution of organic acid and solvent.

Hazardous components	EC-No.	CAS-No.	Weight %	Classification
Oxalic Acid	205-634-3	144-62-7	< 10%	Xn - Harmful, 21/22
Ethylene Glycol-Monobutyl ether	203-905-0	111-76-2	< 10%	Xn - Harmful, R20/21/22-36/38

For the full text of the R phrases mentioned in this Section, see Section 16.

3. HAZARDS IDENTIFICATION

Most important hazards Harmful in contact with skin and if swallowed. Irritating to eyes and skin.
Components of the product may be absorbed into the body through the skin.

4. FIRST AID MEASURES

General advice

Show this safety data sheet to the doctor in attendance.

Inhalation

Move to fresh air. Immediate medical attention is not required.

Skin contact

Immediate medical attention is not required. Wash off immediately with plenty of water for at least 15 minutes.
Take off all contaminated clothing immediately. If skin irritation persists, call a physician.

Eye contact

Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion

Immediate medical attention is required. Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position.

Notes to physician

Treat symptomatically.

SAFETY DATA SHEET

2001/58/EC

Print date: 30/12/2011 12:24:00
Revision Date: 03.03.2002

Ref. 014/03/eng
Page 2 of 5

Product name Star brite Teak Brightener

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water spray, carbon dioxide (CO₂), foam, dry chemical.

Extinguishing media which must not be used for safety reasons

None.

Specific methods

Standard procedure for chemical fires.

Special protective equipment for firefighters

In case of fire, wear a self contained breathing apparatus.

Hazardous decomposition products

Carbon oxides, formic acid.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.
After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling

Technical measures/Precautions

Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours or spray mist.

Safe handling advice

Wear personal protective equipment.

Instructions for use

Take notice of the directions of use on the label.

Storage

Technical measures/Storage conditions

Keep containers tightly closed in a cool, well-ventilated place. Keep away from direct sunlight. Do not freeze.

Incompatible products

Do not store together with: strong bases, strong oxidizing agents.

SAFETY DATA SHEET

2001/58/EC

Print date: 30/12/2011 12:24:00
Revision Date: 03.03.2002

Ref. 014/03/eng
Page 3 of 5

Product name Star brite Teak Brightener

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure

Ensure adequate ventilation, especially in confined areas.

Control parameters

Oxalic acid, ACGIH TLV-TWA 1 mg/m³, OEL-UK: TWA 1 mg/m³, STEL 2 mg/m³ ;
Ethylene Glycol-Monobutyl Ether , ACGIH TLV-TWA 25 ppm, OEL-UK: TWA 25 ppm (120 mg/m³).

Personal protection equipment

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment. (Breathing apparatus with filter.)

Hand protection

Solvent-resistant gloves (butylrubber), break through time > 10 minutes.

Eye protection

Safety glasses. If splashes are likely to occur, wear: face-shield

Skin and body protection

Lightweight protective clothing.

Hygiene measures

When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	liquid	Colour	colourless no data available	Odour	pleasant
pH					
Boiling point/range			~100°C		
Flash point			67.7°C		
Density			1-01		
Solubility			Water solubility: completely soluble Partition coefficient (n-octanol/water) no data available		

10. STABILITY AND REACTIVITY

Stability

Stable at normal conditions. Hazardous polymerisation does not occur.

Conditions to avoid

Heating in air.

Materials to avoid

Strong bases, strong oxidizing agents, alkaline metals, iron, acid chlorides.

Hazardous decomposition products

Carbon oxides, formic acid.

SAFETY DATA SHEET

2001/58/EC

Print date: 30/12/2011 12:24:00
Revision Date: 03.03.2002

Ref. 014/03/eng
Page 4 of 5

Product name Star brite Teak Brightener

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50/oral/rat = 470mg/kg (Ethylene Glycol-Monobutyl Ether)
LC50/inhalation/4h/rat = 2900mg/m3 (Ethylene Glycol-Monobutyl Ether)
LD50/oral/rat = 7500mg/kg (Oxalic Acid)

Local effects

Harmful in contact with skin and if swallowed. Irritating to eyes and skin. Effects due to ingestion may include: headache, vomiting, weakness. Components of the product may be absorbed into the body through the skin. Inhalation of vapours in high concentration may cause irritation of respiratory system.

Long term toxicity

Avoid repeated exposure.

12. ECOLOGICAL INFORMATION

Mobility

Water solubility: completely soluble.

Persistence / degradability

No data available.

Ecotoxicity

LC50/24h/goldfish = 1650mg/l (Ethylene Glycol-Monobutyl Ether)
EC0/7 days/green algae = 790mg/l (Oxalic Acid)

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging

Clean container with water.
Empty containers should be taken for local recycling, recovery or waste disposal.

Further information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

SAFETY DATA SHEET

2001/58/EC

Print date: 30/12/2011 12:24:00
Revision Date: 03.03.2002

Ref. 014/03/eng
Page 5 of 5

Product name Star brite Teak Brightener

15. REGULATORY INFORMATION

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Symbol Xn - Harmful

R -phrase R21/22 - Harmful in contact with skin and if swallowed.

S -phrases S 2 - Keep out of reach of children.
S24/25 - Avoid contact with skin and eyes.
S62 - If swallowed, do not induce vomiting: seek medical advice immediately
and show this container or label.

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2

R21/22 - Harmful in contact with skin and if swallowed.

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

R36/38 - Irritating to eyes and skin.

Indicates updated section.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and is not valid for such material used in combination with any other materials or in any process.
