

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

**1.1. Product identifier**

Product name : STAR BRITE FSRX  
Product code : 205216

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

Application : Cleaning agent. Other cleaning, care and maintenance products (excludes biocidal products).

**1.3. Details of the supplier of the safety data sheet**

Supplier : Star Brite  
4041 SW 47th Avenue  
33314 Fort Lauderdale, Florida  
United States of America  
Telephone : +1-954 587-6280  
E-mail : info@starbrite.com  
Website : http://www.starbrite.com

**1.4. Emergency telephone number**

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:  
US - Telephone : +1-703-527-3887 (During office hours only)  
EMERGENCY TELEPHONE NUMBER (for DOCTORS only):  
Chemtrec 001 703 5273887 (24/7)

**SECTION 2 HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

GHS Classification (HCS §1910.1200) : Flammable liquid, category 4. Skin irritation, category 2. Serious eye damage, category 1.  
Hazards not otherwise classified : May produce an allergic reaction.

**2.2. Label elements**

Label elements (1910.1200)  
Hazard pictograms :



Signal word : Danger  
H- and P-phrases :  
H227 Combustible liquid.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P264 Wash hands thoroughly after handling.

P280	Wear protective gloves/ eye protection or face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P305+P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321 sds	Specific treatment (see section 4 on the SDS).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use carbondioxide, foam, dry chemical, water fog to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to an official chemical waste depot.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w%)	CAS nr.	Additional CAS nr.	Hazards
Oxalic acid, dihydrate	1 - < 5	6153-56-6	----	Acute Tox. 4; H302 Acute Tox. 4; H312 Eye Dam. 1; H318
Propan-2-ol	1 - < 5	67-63-0	----	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Reaction mass of: 5-chloro-2- methyl-4 - isothiazolin-3-one and 2-methyl-2H - isothiazol-3- one (3:1)	< 0,1	55965-84-9	----	Acute Tox. 3; H301 Acute Tox. 2; H310 Skin Corr. 1C; H314 Skin Sens. 1A; H317 Eye Dam. 1; H318 Acute Tox. 2; H330 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

Occupational exposure limit(s), if relevant, are listed in section 8. The actual concentration has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variations.

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

## SECTION 4 FIRST-AID MEASURES

### 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 and soap before product dries up. Consult a doctor if irritation occurs.
Eye contact	: Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor immediately.
Ingestion	: Do not induce vomiting. Rinse the mouth, give 1 glass of water at most. Do not give milk. 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 : Irritant. May produce an allergic reaction. May cause dry skin.
- Eye contact : Strongly irritant. Irreversible effects on the eye/serious damage to eyes. May cause redness and severe pain.
- 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.

### SECTION 5 FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

##### Extinguishing media

- Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.
- Not suitable : Use of heavy stream of water may spread fire.

#### 5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : None known.
- Hazardous thermal decomposition and combustion 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. Attention: extinguishing water can be corrosive.
- NFPA hazard rating :



- Other information : Collect contaminated fire extinguishing water separately. Avoid release of product into sewers, surface water and/or ground water.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material.

#### 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.
- Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

#### 6.3. Methods and material for containment and cleaning up



## SAFETY DATA SHEET

According to OSHA HazCom 2012, 29 CFR 1910.1200

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

### 6.4. Reference to other sections

Reference to other sections : See also section 8.

## SECTION 7 HANDLING AND STORAGE

### 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. Avoid splashing. Wear protective clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place. 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.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product.

Workplace exposure limits (mg/m<sup>3</sup>):

Chemical name	Country	TWA 8 hour (mg/m <sup>3</sup> )	STEL 15 min (mg/m <sup>3</sup> )	Comments	Source
Propan-2-ol	US	980	-	-	OSHA PEL
Propan-2-ol	US	980	1225	-	NIOSH REL
Propan-2-ol	US	490	980	-	ACGIH TLV
Oxalic acid	US	1	2	-	ACGIH
Oxalic acid	US	1	-	-	OSHA
Oxalic acid	US	1	2	-	NIOSH

### 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 for momentary use. Wear suitable protective clothing, overalls or suit, and similar boots in case of frequent or prolonged use and in case of large scale exposure. Suitable material: neoprene. Indication of permeation breakthrough time: not known.
- 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.
- Hand protection : Wear appropriate safety gloves. Suitable material: neoprene.  $\pm 0,5$  mm. Indication of permeation breakthrough time: not known.
- Eye protection : Wear a face shield or appropriate safety glasses with side shields.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid.	
Colour	: Purple.	
Odour	: Characteristic.	
Odour threshold	: Not known.	
pH	: 1.5	
Acid reserve (g NaOH/100 ml)	: 1.43	
Solubility in water	: Soluble.	
Partition coefficient (n-octanol/water)	: Not known.	Not measured. Not relevant for mixtures.
Flash point	: 81 °C	Closed cup.
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 399 °C	
Boiling point/boiling range	: > 82 °C	
Freezing point	: < 0 °C	
Explosion limits (% in air)	: Not known.	Lower explosion limit in air (%): 2 ( Propan-2-ol ) Upper explosion limit in air (%): 12 ( Propan-2-ol ) Does not contain oxidizing substances.
Oxidising properties	: Not applicable.	
Decomposition temperature	: Not known.	
Viscosity (20°C)	: 2000 mm <sup>2</sup> /sec	(1 mm <sup>2</sup> /sec = 1cSt)
Viscosity (40°C)	: Not relevant.	The product contains < 10% substances having an aspiration hazard.
Vapour pressure (20°C)	: Not known.	
Relative vapour density	: Not known	(air = 1)
Relative density (20°C)	: 1.01 g/ml	
Evaporation rate	: Not known.	(n-butyl acetate = 1) Mixture of liquids and solids.

## SECTION 10 STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity : See sub-sections below.

### 10.2. Chemical stability

Stability : Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Reactivity : Reacts vigorously in contact with alkalines. Strong heat development possible.

### 10.4. Conditions to avoid

Conditions to avoid : See section 7.

### 10.5. Incompatible materials

Materials to avoid : Keep away from bases. Keep away from oxidizing agents.

### 10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

<b>SECTION 11 TOXICOLOGICAL INFORMATION</b>
---

### 11.1. Toxicological (health) effects

#### 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 : Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. 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: < 1 %. ATE: > 5000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Irritant. May cause redness. Prolonged contact may dry out and defat the skin.
- Sensitisation : May produce an allergic reaction.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

#### Eye contact

- Corrosion/irritation : Risk of serious damage to eyes.

#### 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.
- Aspiration : Not classified - based on available data, the classification criteria are not met. Does not contain substances with an aspiration hazard.
- Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
- Carcinogenicity : Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
- Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
- Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

#### 11.2. Information on other hazards

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
OSHA : No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.  
NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### SECTION 12 ECOLOGICAL INFORMATION

#### 12.1. Toxicity

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 2355 mg/l. Calculated EC50 (waterflea): 2537 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment.

#### 12.2. Persistence and degradability

Persistence – degradability : No specific information known.

#### 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.

#### 12.6. Other adverse effects

Other information : Not applicable.

### SECTION 13 DISPOSAL CONSIDERATIONS

#### 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 hazardous waste.  
Additional warning : None.  
Waste water discharge : Do not dispose of into the environment, drains, sewers or water courses.  
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 or ID number

UN nr. : None. For DOT only: NA 1993.

#### 14.2. UN proper shipping name

Transport name : Not regulated. For DOT only: COMBUSTIBLE LIQUID, N.O.S,

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

DOT (land)

Class : Comb liq  
Packing group : III  
Danger label : None  
ERG number : 128

Other information : Unless shipped in bulk, this material is not regulated under 49 CFR when transported solely by land.

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. Maritime transport in bulk according to IMO instruments**

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

<b>SECTION 15     REGULATORY INFORMATION</b>
--

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

Regulations : OSHA HazCom 2012, 29 CFR 1910.1200 and other Regulations.  
: This product is exempted from classification as "Corrosive". Tiered weight of evidence strategy.

United States TSCA (Toxic Substances Control Act) inventory

: All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

US State Regulation

California : This product does not contain any chemicals known to the State of California to cause cancer, birth, or  
Proposition 65 any other reproductive effects.

<b>SECTION 16     OTHER INFORMATION</b>
---

**16.1. Other information**

The information in this safety data sheet is compiled in compliance with Hazcom 1910.1200. 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 (\*).

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

ATE : Acute Toxicity Estimate  
CMR : Carcinogenic, Mutagenic or toxic for Reproduction  
DOT : Department of Transportation  
DSL : Domestic Substances List



GHS	: Globally Harmonized System of Classification and Labelling of Chemicals
HPA	: Hazardous Products Act
HPR	: Hazardous Products Regulations
IATA	: International Air Transport Association
IBC code	: The IMO International Code for construction and equipment of ships carrying dangerous chemicals in bulk.
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
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
OSHA	: United States Occupational Safety and Health Administration
PBT	: Persistent, Bioaccumulative and Toxic
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	: Sewage Treatment Plant
TWA/STEL	: Time-Weighted Average/Short Term Exposure Limit
UN	: United Nations
VOC	: Volatile Organic Compounds
vPvB	: Very Persistent and Very Bioaccumulative
WHMIS	: Workplace Hazardous Materials Information System

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc. Also used: OSHA HazCom 2012, 29 CFR 1910.1200.

Full text of H-phrases mentioned in section 3:

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Advice on any training appropriate for workers: none.

Country / Language code	: US / EN
Number format	: "," used as decimal separator.
Date of preparation or latest revision	: 2024-09-05

End of safety data sheet.