

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

**1.1. Product identifier**

Product name : STAR BRITE PRO STAR SUPER PREMIUM HEAVY DUTY MOTOR OIL 15W40  
Product code : 280XX

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

Application : Consumer product. Engine maintenance.

**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 : 001 800 3278583  
Website : <http://www.starbrite.com>

**1.4. Emergency telephone number**

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:  
US - Telephone : 001 703 5273887 (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**

HPR classification : Not classified as dangerous according to the Hazardous Products Regulations.  
Human health hazards : Contains petroleum distillates, may be harmful when ingested.

**2.2. Label elements**

Label elements (HPR)  
Hazard pictograms : None.  
Signal word : Not applicable.  
H- and P-phrases : None.  
Labelling of packagings where the contents do not exceed 100 ml:  
Hazard pictograms : None.  
Signal word : Not applicable.

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

Product description : Mixture.  
Information on constituents : Non-hazardous product. Hazardous substances need not be mentioned.  
Occupational exposure limit(s), if relevant, are listed in section 8.

**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.  
Eye contact : Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists.  
Ingestion : Do not induce vomiting. Give nothing to drink. Do rinse the mouth. 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 : Repeated exposure may cause skin dryness or cracking.  
Eye contact : May cause stinging of eyes and redness.  
Ingestion : May cause a feeling of sickness, vomiting and diarrhoea. May cause lung damage, sore throat and lack of breath.

#### 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 (CO<sub>2</sub>). Foam. Dry chemical. Water fog.  
Not suitable : Water jet.

#### 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.

### 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. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.

#### 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 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. 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 : PE and PP.

**7.3. Specific end use(s)**

Use : Use only as directed.

**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	Province	TWA 8 hour (mg/m <sup>3</sup> )	STEL 15 min (mg/m <sup>3</sup> )	Comments	Source
Distillates (petroleum), hydrotreated heavy paraffinic	US	5	10	as oil mist, if generated	ACGIH

**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 CSA Z94.4.

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**

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

Appearance : Liquid.  
 Colour : Amber.  
 Odour : Characteristic.  
 Odour threshold : Not known.  
 pH : Not applicable. Waterfree product.  
 Solubility in water : Not soluble.

Partition coefficient (n-octanol/water)	: Not known.	Not measured. Not relevant for mixtures.
Flash point	: > 100 °C	Closed Cup (ISO 2719, EN 11, DIN 51758, ASTM D 93)
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.
Auto ignition temperature	: > 402 °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 (%): 0,9 ( Distillates (petroleum), hydrotreated heavy paraffinic )
	:	Upper explosion limit in air (%): 7 ( Distillates (petroleum), hydrotreated heavy paraffinic )
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)	: 0,875 g/ml	
Evaporation rate	: Not known.	(n-butyl acetate = 1)

**9.2. Other information**

Other information : Not relevant.

<b>SECTION 10 STABILITY AND REACTIVITY</b>
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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.

<b>SECTION 11 TOXICOLOGICAL INFORMATION</b>
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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: > 5,441 mg/l. Ingredients of unknown toxicity: < 1 %. 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	: Not classified - based on available data, the classification criteria are not met.
Mutagenicity	: Not classified - based on available data, the classification criteria are not met.
<b>Skin contact</b>	
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	: 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	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
<b>Eye contact</b>	
Corrosion/irritation	: Slight irritation possible. Not classified - based on available data, the classification criteria are not met.
<b>Ingestion</b>	
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 expected to be an aspiration hazard. Contains a substance/substances with an aspiration hazard. Not classified - based on available data, the classification criteria are not met.
Corrosion/irritation	: May cause a feeling of sickness, stomachache, vomiting and diarrhoea.
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.
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.

<b>SECTION 12 ECOLOGICAL INFORMATION</b>
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**12.1. Toxicity**

No ecotoxicological research has been carried out on this product.

Ecotoxicity : Calculated LC50 (fish): 94 mg/l. Calculated EC50 (waterflea): 832 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment. May form an oil film on the water surface causing a decline in oxygen content with possible adverse effects for aquatic organisms.

**12.2. Persistence and degradability**

Persistence – degradability : No specific information known.

**12.3. Bioaccumulative potential**

Bioaccumulative potential : Contains bioaccumulating substances.

**12.4. Mobility in soil**

Mobility : Adsorbs to soil and has low mobility. Floats on water.

**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 chemical waste. Dispose waste to an official chemical waste depot.
- Additional warning : None.
- Waste water discharge : Do not dispose into the environment, in drains or in 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**

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**

TDG (land)

Class : This product is not classified according to TDG.

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**

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

Regulations : Hazardous Products Regulation 2015 and other regulations.

Substances listed on Canadian Domestic Substances List (DSL)

: Distillates (petroleum), hydrotreated heavy paraffinic

**SECTION 16 OTHER INFORMATION**

**16.1. Other information**

The information in this safety data sheet is compiled in compliance with the Hazardous Products Regulation 2015 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 (\*).

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

ATE	: Acute Toxicity Estimate
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
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	: International Bulk Chemical Code
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
TDG	: Transportation of Dangerous Goods
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
Number format	: ", " used as decimal separator.

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End of safety data sheet.