

Safety Data Sheet According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations Revision Date: 09/30/2014 Date of issue: 09/30/2014

SECTION 1: IDENTIFICATION

ProductIdentifier Product Form: Mixture

Product Form: Mixture Product Name: Starbrite Startron Fuel Tank Cleaner Product Code: 936XX

Intended Use of the Product

Use of the Substance/Mixture: Fuel Additive.

Name Address, and Telephone of the Responsible Party

Company

Star brite Inc. 4041 SW 47th Avenue Fort Lauderdale, FL 33314 (954)587-6280

www.starbrite.com

Emergency Telephone Number

Emergency Number : US: (800) 424-9300; International: (703) 527-3887 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US) Flam. Liq. 4 H227 Skin Irrit. 2 H315 STOT SE 3 H336

Asp. Tox. 1 H304

Label Elements

GHS-US Labeling Hazard Pictograms (GHS-US)



Signal Word (GHS-US)	: Danger
Hazard Statements (GHS-US)	: H227 - Combustible liquid.
	H304 - May be fatal if swallowed and enters airways.
	H315 - Causes skin irritation.
	H336 - May cause drowsiness or dizziness.
Precautionary Statements (GHS-US)	: P210 - Keep away from sparks, open flames, hot surfaces, heat No smoking.
	P261 - Avoid breathing fume/mist/vapors/spray.
	P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
	P271 - Use only outdoors or in a well-ventilated area.
	P280 - Wear protective gloves, protective clothing, eye protection.
	P301+P310 - If swallowed: Immediately call a poison center or doctor.
	P302+P352 - If on skin: Wash with plenty of soap and water.
	P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position
	comfortable for breathing.
	P312 - Call a poison center/doctor if you feel unwell.
	P321+P331 - Specific treatment (see section 4). Do NOT induce vomiting.
	P332+P313 - If skin irritation occurs: Get medical advice/attention.
	P362 - Take off contaminated clothing and wash before reuse.
	P370+P378 - In case of fire: Use dry chemical powder, alcohol-resistant foam, carbon dioxide
	(CO_2) to extinguish.
	P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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P403+P235+P405 - Store in a well-ventilated place. Keep cool. Store locked up. P501 - Dispose of contents/container according to local, regional, national, territorial,

provincial, and international regulations.

Other Hazards Prolonged or repeated exposure may cause skin dryness or cracking.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture Name **Product Identifier** % (w/w) **Classification (GHS-US)** Petroleum distillates, hydrotreated light (CAS No) 64742-47-8 90 - 95 Flam. Liq. 4, H227 Asp. Tox. 1, H304 1 - 5 or 5 - 10 (CAS No) 8008-20-6 Flam. Liq. 3, H226 Kerosine, petroleum Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Kerosine, petroleum, hydrodesulfurized (CAS No) 64742-81-0 1 - 5 or 5 - 10 Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). **Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General: Vapors may cause drowsiness and dizziness. Causes skin irritation. May be fatal if swallowed and enters airways. **Inhalation:** May cause drowsiness or dizziness.

Skin Contact: Causes skin irritation.

Eye Contact: May cause minor eye irritation.

Ingestion: May be fatal if swallowed and enters airways.

Chronic Symptoms: Prolonged or repeated exposure may cause skin dryness or cracking.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Any material aspirated during vomiting may cause lung injury. Avoid emesis. If stomach contents must be evacuated use method least likely to result in aspiration.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Flammable liquid and vapor.

Explosion Hazard: May form flammable/explosive vapor-air mixture.

Reactivity: Reacts with strong oxidants causing fire and explosion hazard.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

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Reference to Other Sections Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing (dust, vapor, mist, gas). Use only outdoors or in a well-ventilated area.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Eliminate ignition sources. Ventilate area.

Environmental Precautions Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Use only non-sparking tools.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container tightly closed. Store locked up.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Specific End Use(s) Fuel Additive.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Kerosine, petroleum (8008-20	D-6)	
USA ACGIH	ACGIH TWA (mg/m ³)	200 mg/m ³ (application restricted to conditions in which there
		are negligible aerosol exposures)
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	100 mg/m ³
Alberta	OEL TWA (mg/m ³)	200 mg/m ³
British Columbia	OEL TWA (mg/m ³)	200 mg/m ³ (application restricted to conditions in which there are negligible aerosol exposures)
Manitoba	OEL TWA (mg/m ³)	200 mg/m ³ (application restricted to conditions in which there are negligible aerosol exposures)
Newfoundland & Labrador	OEL TWA (mg/m ³)	200 mg/m ³ (application restricted to conditions in which there are negligible aerosol exposures)
Nova Scotia	OEL TWA (mg/m ³)	200 mg/m ³ (application restricted to conditions in which there are negligible aerosol exposures)
Ontario	OEL TWA (mg/m ³)	200 mg/m ³ (restricted to conditions where there is negligible aerosol exposure)
Prince Edward Island	OEL TWA (mg/m ³)	200 mg/m ³ (application restricted to conditions in which there are negligible aerosol exposures)
Saskatchewan	OEL STEL (mg/m ³)	250 mg/m ³
Saskatchewan	OEL TWA (mg/m ³)	200 mg/m ³
Kerosine, petroleum, hydrod	esulfurized (64742-81-0)	
USA ACGIH	ACGIH TWA (mg/m ³)	200 mg/m ³ (application restricted to conditions in which

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		there are negligible aerosol exposures)
Alberta	OEL TWA (mg/m³)	200 mg/m ³
Manitoba	OEL TWA (mg/m³)	200 mg/m ³ (application restricted to conditions in which
		there are negligible aerosol exposures)
Newfoundland & Labrador	OEL TWA (mg/m³)	200 mg/m ³ (application restricted to conditions in which
		there are negligible aerosol exposures)
Nova Scotia	OEL TWA (mg/m³)	200 mg/m ³ (application restricted to conditions in which
		there are negligible aerosol exposures)
Ontario	OEL TWA (mg/m³)	200 mg/m ³ (restricted to conditions where there is
		negligible aerosol exposure)
Prince Edward Island	OEL TWA (mg/m³)	200 mg/m ³ (application restricted to conditions in which
		there are negligible aerosol exposures)
Saskatchewan	OEL STEL (mg/m ³)	250 mg/m ³
Saskatchewan	OEL TWA (mg/m³)	200 mg/m ³
Petroleum distillates, hydro	treated light (64742-47-8)	
British Columbia	OEL TWA (mg/m³)	200 mg/m ³ (application restricted to conditions in which
		there are negligible aerosol exposures)

Exposure Controls

Appropriate Engineering Controls: Proper grounding procedures to avoid static electricity should be followed. Take precautionary measures against static discharges. Gas detectors should be used when flammable gases/vapors may be released. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Full protective flameproof clothing. Gloves. High gas/vapor concentration: gas mask.



]Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

Other Information: When using, do not eat, drink or smoke

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties		
Physical State	: Liquid	
Appearance	: Clear	
Odor	: Not available	
Odor Threshold	: Not available	
рН	: Not available	
Evaporation Rate	: Not available	
Melting/Freezing Point	: - 42 °C (-44°F) (107.60 °F)	
Boiling Point	: Not available	
Flash Point	: 69 °C (156°F) (156.20 °F)	
Auto-ignition Temperature	: Not available	
Decomposition Temperature	: Not available	
Flammability (solid, gas)	: Not available	
Lower Flammable Limit	: Not available	
Upper Flammable Limit	: Not available	
Vapor Pressure	: Not available	
Relative Vapor Density at 20 °C	: Not available	
Relative Density/Specific Gravity	: Not available	

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Solubility	:	Not available
Partition Coefficient: N-octanol/water	:	Not available
Viscosity	:	Not available
Explosion Data – Sensitivity to Mechanical Impact	:	Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	:	Not expected to present an explosion hazard due to static discharge.

: Not expected to present an explosion hazard due to static discharge.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Reacts with strong oxidants causing fire and explosion hazard. **Chemical Stability:** Flammable liquid and vapor. May form flammable/explosive vapor-air mixture. **Possibility of Hazardous Reactions:** Hazardous polymerization will not occur. Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Open flame. Heat. Sparks. Incompatible Materials: Strong acids. Strong bases. Strong oxidizers. Hazardous Decomposition Products: Carbon oxides (CO, CO₂). SECTION 11: TOXICOLOGICAL INFORMATION **Information on Toxicological Effects - Product** Acute Toxicity: Not classified LD50 and LC50 Data: Not available Skin Corrosion/Irritation: Causes skin irritation. Serious Eye Damage/Irritation: Not classified Respiratory or Skin Sensitization: Not classified Germ Cell Mutagenicity: Not classified Teratogenicity: Not available Carcinogenicity: Not classified Specific Target Organ Toxicity (Repeated Exposure): Not classified Reproductive Toxicity: Not classified Specific Target Organ Toxicity (Single Exposure): May cause drowsiness or dizziness. Aspiration Hazard: May be fatal if swallowed and enters airways. Symptoms/Injuries After Inhalation: May cause drowsiness or dizziness. Symptoms/Injuries After Skin Contact: Causes skin irritation. Symptoms/Injuries After Eye Contact: May cause minor eye irritation. Symptoms/Injuries After Ingestion: May be fatal if swallowed and enters airways. Information on Toxicological Effects - Ingredient(s) LD50 and LC50 Data: Kerosine, petroleum (8008-20-6) LD50 Oral Rat > 5000 mg/kg LD50 Dermal Rabbit > 2000 mg/kg **LC50 Inhalation Rat** > 5.28 mg/l/4h Kerosine, petroleum, hydrodesulfurized (64742-81-0) LD50 Oral Rat > 5000 mg/kg **LD50 Dermal Rabbit** > 2000 mg/kg LC50 Inhalation Rat > 5.2 mg/l/4h Petroleum distillates, hydrotreated light (64742-47-8) LD50 Oral Rat > 5000 mg/kg **LD50 Dermal Rabbit** > 2000 mg/kg LC50 Inhalation Rat > 5.2 mg/l/4h **SECTION 12: ECOLOGICAL INFORMATION Toxicity** Not classified Kerosine, petroleum (8008-20-6) **NOEC chronic fish** 0.098 mg/l (PETROTOX, Klimmish score: 2) Kerosine, petroleum, hydrodesulfurized (64742-81-0) 45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) LC50 Fish 1 EN (English US) 5/9

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	720 mg/l (Exposure time: 48 h - Species: Den-dronereides heteropoda)	
LC 50 Fish 2 1	1740 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])	
Petroleum distillates, hydrotreated light (6	4742-47-8)	
LC50 Fish 1 4	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
LC 50 Fish 2 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])	
Persistence and Degradability Not estab	lished	
Bioaccumulative Potential		
Kerosine, petroleum, hydrodesulfurized (64	4742-81-0)	
BCF Fish 1 6	1 - 159	
Petroleum distillates, hydrotreated light (6	4742-47-8)	
BCF Fish 1 6	1 - 159	
Mobility in Soil Not available		
Other Adverse Effects		
Other Information: Avoid release to the env	<i>v</i> ironment.	
SECTION 13: DISPOSAL CONSIDERAT	IONS	
Waste Disposal Recommendations: Dispose	e of waste material in accordance with all local, regional, national, provincial, territorial	
and international regulations.		
Additional Information: Handle empty cont	ainers with care because residual vapors are flammable.	
SECTION 14: TRANSPORT INFORMAT	ION	
In Accordance With ICAO/IATA/DOT/T	DG	
<u>UN Number</u>		
DOT NA no. : NA1993	3	
UN Proper Shipping Name		
Proper Shipping Name (DOT)	: COMBUSTIBLE LIQUID, N.O.S. (Petroleum distillates, hydrotreated light)	
Transport Document Description (DOT)	: NA1993 COMBUSTIBLE LIQUID, N.O.S. (Petroleum distillates, hydrotreated	
	light), 3, III	
Transport Hazard Class(es)		
Department Of Transportation (DOT) Haza	rd Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120	
DOT Symbols	: D - Proper shipping name for domestic use only,G - Identifies PSN requiring	
	a technical name	
Packing Group (DOT)	: III - Minor Danger	
DOT Special Provisions (49 CFR 172.102)	 IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T1 - 1.5 178.274(d)(2) Normal	
DOT Packaging Exceptions (49 Cfr 173.xxx) DOT Packaging Non Bulk (49 Cfr 173.xxx) DOT Packaging Bulk (49 Cfr 173.xxx) <u>Additional Information</u> Emergency Response Guide (ERG) Number Other Information	 150 203 241 128 This product meets the limited quantities exception as follows: DOT: Not regulated as dangerous goods except when transported by air or shipped in quantities greater than or equal to 5L. Otherwise, the above descriptions apply. 	

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In Accordance with IMDG	Not regulated for transport		
Marine Pollutant	: No		
In Accordance with IATA	Not regulated for transport		
In Accordance with TDG	Not regulated for transport		
SECTION 15: REGULATOR	Y INFORMATION		
US Federal Regulations			
Starbrite Startron Fuel Tank	Cleaner		
SARA Section 311/312 Hazard	l Classes	Fire hazard	
		Immediate (acute) health hazard	
Kerosine, petroleum (8008-20	0-6)		
	CA (Toxic Substances Control Act) inventory	
Kerosine, petroleum, hydrode	esulfurized (64742-81-0)		
Listed on the United States TS	CA (Toxic Substances Control Act) inventory	
Petroleum distillates, hydrotr	eated light (64742-47-8)		
Listed on the United States TS	CA (Toxic Substances Control Act) inventory	
SARA Section 311/312 Hazard	l Classes	Fire hazard	
		Immediate (acute) health hazard	
US State Regulations			
Kerosine, petroleum (8008-20	0-6)		
	s Air Pollutants - HLVs (30 min)		
U.S Connecticut - Hazardous			
		ater Reportable Concentration - Reporting Category 1	
		ater Reportable Concentration - Reporting Category 2	
	azardous Material List - Reportab	•	
	-	rtable Concentration - Reporting Category 1	
RTK - U.S Massachusetts - Ri		rtable Concentration - Reporting Category 2	
U.S Minnesota - Chemicals c	-		
	ated Toxic Air Pollutants - Ambien	t Air Levels (AALs) - 24-Hour	
	ated Toxic Air Pollutants - Ambien		
	Prevention - List of Hazardous Sub		
	ntal Hazardous Substances List		
RTK - U.S New Jersey - Right	to Know Hazardous Substance Li	st	
	tants - Guideline Concentrations -		
		date Chemicals and Chemical Groups	
RTK - U.S Pennsylvania - RTK			
U.S Texas - Effects Screening	-		
U.S Texas - Effects Screening			
Kerosine, petroleum, hydrode			
U.S Texas - Effects Screening U.S Texas - Effects Screening	-		
Petroleum distillates, hydrotr			
	ated Toxic Air Pollutants - Ambien	$t \Delta ir evels (\Delta \Delta s) - 24 - Hour$	
	ated Toxic Air Pollutants - Ambien		
U.S Texas - Effects Screening			
U.S Texas - Effects Screening	-		
Canadian Regulations			
Starbrite Startron Fuel Tank	Cleaner		
WHMIS Classification	Class B Division 3 - Combustible	Liquid	
	Class D Division O Combustible	Train an atomic la construction de la contra	

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Kerosine, petroleum (8008-20-6)	
Listed on the Canadian DSL (D	omestic Sustances List)
WHMIS Classification	Class B Division 3 - Combustible Liquid
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Kerosine, petroleum, hydrod	esulfurized (64742-81-0)
Listed on the Canadian DSL (Domestic Sustances List)	
WHMIS Classification	Class B Division 3 - Combustible Liquid
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Petroleum distillates, hydrotreated light (64742-47-8)	
Listed on the Canadian DSL (Domestic Sustances List)	
WHMIS Classification	Class B Division 3 - Combustible Liquid
	Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION **Revision Date**

: 09/30/2014

Other Information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapor
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects



Party Responsible for the Preparation of This Document

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Starbrite[®]

Phone Number: (954)587-6280

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012 & WHMIS