

Safety Data Sheet

Issue Date: 25-Feb-2016

Revision Date: 25-Feb-2016

578297 REV A

1. IDENTIFICATION

Product Identifier

Product Name Stay-Brite Universal Coolant Detection Dye

Other means of identification

SDS # 578297

Product Code 16885, 16890

Recommended use of the chemical and restrictions on use

Synonyms N/A

Supplier's details

Recommended Use Restricted to professional users. Automotive/Vehicle/HVAC Related.

Uses advised against No information available

Details of the supplier of the safety data sheet

Bright Solutions International, LLC
1738 Maplelawn Dr.
Troy, MI 48084 USA

Emergency Telephone Number

USA 1-800-255-3924
China (400-1)-400-120-0751
Other Collect 1-813-248-0585

2. HAZARDS IDENTIFICATION

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word Not Hazardous		
The product contains no substances which at their given concentration, are considered to be hazardous to health		
Appearance Yellowish liquid	Physical State Liquid	Odor No information available

Precautionary Statements

P281 - Use personal protective equipment as required
P262 - Do not get in eyes, on skin, or on clothing
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P501 - Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Other information

3. COMPOSITION/INFORMATION ON INGREDIENTS

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST-AID MEASURES

First aid measures for different exposure routes

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin Contact	Wash skin with soap and water.
Inhalation	Move to fresh air.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms/effects, acute and delayed

Main Symptoms	No information available.
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Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Keep away from heat and sources of ignition.

Specific Hazards Arising from the Chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact	none
Sensitivity to Static Discharge	none

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.
Environmental Precautions	Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. Provide appropriate exhaust ventilation at places where dust is formed. As a rule, at least 10 air changes per hour are recommended at the workplace. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible products

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Exposure controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Avoid contact with eyes. If splashes are likely to occur, wear: Face-shield. Goggles. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection

Skin and body protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State

Liquid

Appearance	Yellowish liquid	Odor	No information available
Color	N/A	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	No information available		
Melting Point		N/A	
Boiling Point/Boiling Range	No information available		
Flash Point	No information available		
Evaporation Rate	No data available		
Flammability (Solid, Gas)	No data available	No data available	
Flammability Limits in Air			
Upper Flammability Limits	No information available		
Lower Flammability Limit	No information available		
Vapor Pressure	No information available		
Vapor Density	No information available		
Specific Gravity	No information available	N/A	
Water Solubility	Insoluble in water		
Solubility in other solvents	No information available		
Partition Coefficient: n-octanol/water	No information available		
Auto-ignition Temperature	No data available	N/A	
Decomposition Temperature	No information available		
Kinematic Viscosity	No data available		
Dynamic Viscosity	No information available		
Explosive Properties	No information available		
Oxidizing Properties	No information available		
<u>Other information</u>			
Softening point	No information available		
Molecular weight			
VOC Content (%)	No information available		
Density	No information available		
Bulk density	No information available		

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

None known based on information supplied..

Hazardous Decomposition Products

May emit toxic fumes under fire conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact

Avoid contact with eyes.

Skin Contact	Avoid contact with skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Not an expected route of exposure. Do not taste or swallow.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Proprietary	20000 mg/kg (Rat)	20800 mg/mk (Rabbit)	No data available

Information on toxicological effects

Symptoms	No information available
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No information available
Germ cell mutagenicity	No information available
Carcinogenicity	No information available
Reproductive toxicity	No information available
Specific target organ systemic toxicity (single exposure)	No information available
Specific target organ systemic toxicity (repeated exposure)	No information available
Aspiration hazard	No information available

Numerical measures of toxicity - Product Information**12. ECOLOGICAL INFORMATION****Ecotoxicity****Persistence/Degradability**

No information available

Bioaccumulation

No information available

Other Adverse Effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste Treatment**

Waste Disposal Methods	Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).
Contaminated Packaging	Do not re-use empty containers. Dispose of in accordance and local regulations.

14. TRANSPORT INFORMATION**DOT**

Description	Not regulated
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MEX**IATA**

Description Not regulated

IMDG

Description Not regulated

RID**ADN****15. REGULATORY INFORMATION****International Inventories**

TSCA	Listed
EINECS/ELINCS	Listed
DSL	Listed
NDSL	Not determined
PICCS	Listed
ENCS	Not determined
IECSC	Listed
AICS	Listed
KECL	Listed
NZIoC	Not determined

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at reach@keystone-europe.co.uk

RESTRICTIONS - REACH TITLE VIII No information available

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Proprietary		X	X		

Internal Regulations**Canada****WHMIS Note**

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

WHMIS Hazard Class

Non-controlled

<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	1	0	H

16. OTHER INFORMATION

Issue Date: 25-Feb-2016
Revision Date:
Revision Note: No information available
Restrictions on use: No information available

Contact Information Website: WWW.BRIGHTSOL.COM.

Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet