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6200 Grand Pointe Drive  
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10-5072, 88864127 - ACDelco Air Conditioning (A/C) System Dye

Issuing Date 13-Jan-2014

Revision date 08-Jan-2014

Version 2

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

**Product identifier**

**Product code**

B704: 140100, 140100C, 770430, 770430C, 770440, 770440C, 770450, 770450C, 770460, 770460C, 770400-08, 770400-08C, 770400-64, 770400-64C, 770400-504, 770400-504C, 770400-1000, 770400-1000C, B704005Y, B704005YC, B704001Y, B704001YC, B704032Y, B704032YC, B704008Y, B704008YC, B704008BY, B704008BYC, B704012Y, B704012YC, B704206Y, B704206YC, 84100, 84100C

**Product Name**

Eco-Brite Universal A/C Dye

**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** Odorless

**Precautionary Statements**

None known

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other information**

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### 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

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

#### Most important symptoms/effects, acute and delayed

**Main Symptoms** No information available.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO<sup>2</sup>, sand, earth, water spray or regular foam.

**Unsuitable Extinguishing Media** Cool containers / tanks with water spray.

#### Specific hazards arising from the chemical

Sealed containers may rupture when heated.

**Hazardous combustion products** Carbon oxides. Hazardous decomposition products due to incomplete combustion.

#### 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

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

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### Methods and materials for containment and cleaning up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

<b>Advice on safe handling</b>	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.
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### Conditions for safe storage, including any incompatibilities

<b>Technical measures/Storage conditions</b>	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.
<b>Incompatible products</b>	Strong oxidizing agents, strong acids, and strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

<b>Exposure Guidelines</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies
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### Exposure controls

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.
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### Individual protection measures, such as personal protective equipment

<b>Eye/face Protection</b>	Avoid contact with eyes. If splashes are likely to occur, wear: Goggles.
<b>Skin and body protection</b>	Wear protective gloves and additional protective clothing as necessary to prevent exposures.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

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**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

### physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	Odorless
<b>Appearance</b>	yellowish liquid		
<b>Odor Threshold</b>	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	> 177 °C / > 350 °F	
evaporation rate	< .01	
Flammability (solid, gas)	No data available	No data available
Flammability Limits in Air		
Upper flammability limit	No information available	
Lower flammability limit	No information available	
Vapor Pressure	No information available	
vapor density	No information available	(Air = 1.0)
specific gravity	1.06	N/A
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition 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	

### other information

<b>Softening point</b>	No information available
<b>molecular weight</b>	
<b>VOC Content(%)</b>	No information available
<b>Density</b>	No information available
<b>bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Hazardous Reactions

None under normal processing

### Conditions to Avoid

Incompatible products. Extremes of temperature and direct sunlight.

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#### **Incompatible Materials**

Strong oxidizing agents, strong acids, and strong bases.

#### **Hazardous Decomposition Products**

May emit toxic fumes under fire conditions.

## **11. TOXICOLOGICAL INFORMATION**

### **Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Inhalation</b>	Avoid breathing vapors or mists. Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Eye contact</b>	Avoid contact with eyes. Contact with eyes may cause irritation.
<b>Skin contact</b>	Avoid contact with skin. Prolonged skin contact may cause skin irritation.
<b>Ingestion</b>	Not an expected route of exposure. Do not taste or swallow. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### **Information on toxicological effects**

**Symptoms** No information available.

### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available.
<b>germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ systemic toxicity (single exposure)</b>	No information available.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	No information available.
<b>Aspiration hazard</b>	No information available.

### **Numerical measures of toxicity - Product Information**

## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

None known

### **Persistence and degradability**

No data is available on the product itself.

### **Bioaccumulation**

No information available.

### **Other adverse effects**

No information available

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### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment

<b>Waste Disposal Methods</b>	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).
<b>Contaminated packaging</b>	Do not re-use empty containers. Dispose of in accordance with local regulations.

### 14. TRANSPORT INFORMATION

<b><u>DOT</u></b>	
Description	Not regulated

<b><u>MEX</u></b>	
Description	Not regulated

<b><u>IATA</u></b>	
Description	Not regulated

<b><u>IMDG</u></b>	
Description	Not regulated

**RID**

**ADN**

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## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Listed
EINECS/ELINCS	Listed
DSL	Listed
NDSL	Listed
PICCS	Listed
ENCS	Listed
IECSC	Listed
AICS	Listed
KECL	Listed
NZIoC	Listed

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU 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).

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### **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**

This product does not contain any substances regulated by state right-to-know regulations

### **International Regulations**

Mexico - Grade Slight risk, Grade 1.

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

HMIS                      Health Hazard 0                      Flammability 1                      Physical Hazard 0                      Personal Protection H

## 16. OTHER INFORMATION

Revision date                      08-Jan-2014

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 Material Safety Data Sheet