

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 Leak Detection 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**Unknown acute toxicity**

2.7% of the mixture consists of ingredient(s) of unknown acute toxicity

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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

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.

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, CO², 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.

Methods and materials for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	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

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.
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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	Strong oxidizing agents, strong acids, and strong bases.

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
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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.
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Individual protection measures, such as personal protective equipment

Eye/face Protection	Avoid contact with eyes. If splashes are likely to occur, wear: Goggles.
Skin and body protection	Wear protective gloves and additional protective clothing as necessary to prevent exposures.
Respiratory protection	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

Physical state	liquid	Odor	Odorless
Appearance	yellowish liquid		
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	> 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

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.

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

Product Information	Product does not present an acute toxicity hazard based on known or supplied information
Inhalation	Avoid breathing vapors or mists. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Eye contact	Avoid contact with eyes. Contact with eyes may cause irritation.
Skin contact	Avoid contact with skin. Prolonged skin contact may cause skin irritation.
Ingestion	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

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

Unknown acute toxicity 2.7% of the mixture consists of ingredient(s) of unknown acute toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

None known

Persistence and degradability

No data is available on the product itself.

Bioaccumulation

No information available.

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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 with local regulations.

14. TRANSPORT INFORMATION

DOT

Description Not regulated

MEX

Description Not regulated

IATA

Description Not regulated

IMDG

Description Not regulated

RID

ADN

15. REGULATORY INFORMATION

International Inventories

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

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

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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
IECS - 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

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

International Regulations

Mexico - Grade Slight risk, Grade 1.

