

## 1. PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NAME

ROBINAIR UNIVERSAL A/C DYE

### OTHER NAMES

Product Number(s): 16356, 16357, 16276

### PRODUCT USE & RESTRICTIONS

Used to pinpoint leaks in A/C systems

### DISTRIBUTOR

Company: Service Solutions US LLC

Address: 655 Eisenhower Drive, Owatonna, MN 55060 USA

Telephone: (888) 533-6127

Emergency Telephone: (800) 535-5053

## 2. HAZARDS IDENTIFICATION

### HAZARD RATINGS

Health	1
Fire	1
Physical	0
Personal Protection	B

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Common Name/Synonyms</u>	<u>CAS/EC Number</u>	<u>Mixture</u>
Universal A/C Dye	Proprietary	100%

## 4. FIRST AID MEASURES

### INHALATION

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop.

### SKIN CONTACT

Remove contaminated clothing and wash affected area immediately with large amounts of soap and water. Get medical attention if irritation develops or persists.

### EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention if irritation develops or persists.

**INGESTION**

Do not induce vomiting. Contact a physician. Never give anything by mouth to an unconscious person. If swallowed, immediately give two glasses of water.

**SYMPTOMS**

<u>Route of Exposure</u>	<u>Sign and Symptom</u>	<u>Primary Route</u>
Inhalation	May cause irritation to the nose, throat, and upper respiratory tract	ND
Eye contact	May cause irritation	ND
Skin contact	May cause irritation	ND
Ingestion	May be harmful if swallowed	ND

**MEDICAL ATTENTION/SPECIAL TREATMENT**

ND

**5. FIREFIGHTING MEASURES**

**SUITABLE EXTINGUISHING MEDIA**

Water, foam, carbon dioxide, dry chemical

**SPECIFIC HAZARDS**

No known unusual hazards

**SPECIAL 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. Contain runoff water. Contaminated extinguishing water must be disposed of in accordance with applicable regulations. Avoid breathing smoke, fumes, and decomposition products. Material will float on water.

**6. ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES**

Wear appropriate personal protective equipment.

**ENVIRONMENTAL PRECAUTIONS**

This material is a concentrated colorant. Contain spilled material. Do not allow material to enter soil or surface water. Treat or dispose of waste material in accordance with all local, state/provincial and federal regulations.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Contain spilled material. Absorb spills with inert material. Avoid disposal into wastewater treatment facilities. Floor may become slippery. Wash area to prevent slipping. Large spillage should be dammed-off and pumped into containers. Take up the remainder with absorbent material. Prevent spilled

product from entering stream or drinking water supply. Treat or dispose of waste material in accordance with all local, state/provincial, and federal regulations.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

Do not breathe vapor or get into eyes, on skin or clothing. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. When sampling containers use appropriate personal protective equipment. Use with adequate ventilation. Avoid extreme temperatures. Always keep containers tightly closed to avoid contamination. Avoid contact with strong oxidizing agents.

### CONDITIONS FOR SAFE STORAGE

Keep out of reach of children. Avoid extreme temperatures. Always keep containers tightly closed to avoid contamination. Avoid contact with strong oxidizing agents. Protect containers from physical damage.

### INCOMPATIBILITIES

ND

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### CONTROL PARAMETERS

Respiratory protection	Good general ventilation should be sufficient to control airborne levels. Under normal use conditions, with adequate ventilation, no special handling equipment is required.
Protective gloves	Wear protective gloves to minimize skin contamination.
Eye protection	Wear safety glasses or goggles.
Work/hygienic practices	For brief contact, normal work attire should be sufficient. When prolonged or repeated contact could occur, use protective clothing impervious to this material.
Other personal protection	As required by employer policies.

### ENGINEERING CONTROLS

General ventilation normally adequate.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE

Physical State: Liquid

### ODOR

Petroleum odor

**ODOR THRESHOLD**

ND

**pH**

ND

**MELTING POINT**

ND

**FREEZING POINT**

ND

**INITIAL BOILING POINT**

ND

**BOILING RANGE**

ND

**FLASH POINT**

>100°C (212°F)

**EVAPORATION RATE (ETHYL ACETATE=1)**

ND

**FLAMMABILITY**

Solid: ND

Gas: ND

**UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS**

LEL: NA

UEL: NA

**VAPOR PRESSURE (mmHg)**

ND

**VAPOR DENSITY (AIR=1)**

ND

**RELATIVE DENSITY**

NA

**SOLUBILITY(IES)**

In water: Insoluble

**PARTITION COEFFICIENT: N-OCTANOL/WATER**

ND

**AUTOIGNITION TEMPERATURE**

ND

**DECOMPOSITION TEMPERATURE**

ND

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**10. STABILITY AND REACTIVITY**

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**CHEMICAL STABILITY**

Stable under normal conditions of storage and use

**POSSIBILITY OF HAZARDOUS REACTIONS**

Will not occur

**CONDITIONS TO AVOID**

Extreme temperatures, incompatible materials

**INCOMPATIBLE MATERIALS**

Strong oxidizers, strong acids and strong bases

**HAZARDOUS DECOMPOSITION PRODUCTS**

Decomposition will not occur if handled and stored properly. In the case of a fire, oxides of carbon, hydrocarbons, fumes and smoke may be produced.

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**11. TOXICOLOGICAL INFORMATION**

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ND

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**12. ECOLOGICAL INFORMATION**

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**ECOTOXICITY**

Aquatic: ND

Terrestrial: ND

**PERSISTENCE AND DEGRADABILITY**

ND

**BIOACCUMULATIVE POTENTIAL**

ND

**MOBILITY IN SOIL**

ND

**OTHER ADVERSE EFFECTS**

ND

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**13. DISPOSAL CONSIDERATIONS**

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**PRODUCT DISPOSAL**

Due to the highly concentrated colour, avoid washing material into sewer systems without proper treatment and authorization by the treatment facility management. Treat or dispose of waste material in accordance with all local, state/provincial and federal regulations.

**PACKAGING DISPOSAL**

Unclean empty containers should be disposed of in the same manner as the contents. Treat or dispose of in accordance with all local, state/provincial and federal regulations.

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**14. TRANSPORT INFORMATION**

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**UN NUMBER**

ND

**UN PROPER SHIPPING NAME**

ND

**TRANSPORT HAZARD CLASS(ES)**

ND

**PACKING GROUP**

ND

**MARINE POLLUTANT (YES/NO)**

ND

**SPECIAL PRECAUTIONS**

ND

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**15. REGULATORY INFORMATION**

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**TSCA**

All ingredients are listed on the TSCA inventory

**SARA 313**

ND

**CERCLA RQ**

ND

**RCRA CODE**

ND

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**16. OTHER INFORMATION**

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**CONTACT**

SPX Corporation

**LEGEND**

ND = Not determined

NA = Not applicable

The information provided herein is believed to be accurate and represents the best information currently available. However, SPX Corporation makes no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and assumes no liability resulting from use of (M)SDS information.

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review.

The (M)SDS is a hazard communication tool and should be used to assist in risk assessment. Many factors determine whether the reported hazards are risks in the workplace or other settings. Risks may be determined by reference to exposures scenarios. Scale of use, frequency of use, and current or available engineering controls must be considered.

For detailed advice on personal protective equipment, refer to the following U.S. Regulations and Standards:

- OSHA Standards - 29 CFR:
- 1910.132 - Personal Protective Equipment - General requirements
- 1910.133 - Eye and face protection
- 1910.134 - Respiratory Protection
- 1910.136 - Occupational foot protection
- 1910.138 - Hand Protection
- Eye and face protection - ANSI Z87.1
- Foot protection - ANSI Z41

**RESPIRATORS MUST BE NIOSH APPROVED.**