

# MATERIAL SAFETY DATA SHEET

## YELLOW JACKET® Universal A/C Dye

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

Product Name: YELLOW JACKET® Universal A/C Dye  
Product Numbers: 69700, 69701, 69702, 69703, 69708, 69709, 69710, 69711, 69712, 69713, 69719, 69720, 69721, 69727  
Chemical Name: Proprietary  
Chemical Family: Proprietary  
CAS Number: Blend

#### Company Identification

Ritchie Engineering Company, Inc.  
10950 Hampshire Avenue South  
Bloomington, MN 55438- USA  
For questions call: 952-943-1333  
For emergencies call: 1-800-424-9300 (CHEMTREC)  
1-703-527-3887 (CHEMTREC INT'L)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### COMPONENT LISTING:

Chemical Name	Amount	CAS Number
M91001 CHROMATINT FLUORESCENT YELLOW UNVL 0763	100.0 %	Blend

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

#### HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute hazards.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

Causes skin and eye irritation.

#### HMIS Rating:

Health - 1  
Flammability - 0  
Reactivity - 0

Personal Protection Index - B

**NFPA Rating:**

Health - 1  
Flammability - 0  
Reactivity - 0

**POTENTIAL HEALTH EFFECTS**

**EYE:**

Vapors may irritate the eyes.

**SKIN:**

Liquid may irritate and dry skin.

**INHALATION:**

Inhalation of vapor or mist can cause irritation of nose and throat.

**INGESTION:**

Can cause headache, dizziness, nausea and abdominal upset.

**CARCINOGENICITY INFORMATION:**

No known cancer hazards.

**4. FIRST AID MEASURES**

**EYE CONTACT FIRST AID:**

Flush eye with water for 15 minutes. Get immediate medical attention.

**SKIN CONTACT FIRST AID:**

Immediately flush skin with plenty of water for at least 15 minutes. For a large splash flood body under a shower. Call a physician.

**INHALATION FIRST AID:**

Remove to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

**INGESTION FIRST AID:**

If swallowed, do NOT induce vomiting. If swallowed, immediately give 2 glasses of water.

**NOTES TO PHYSICIAN:**

Treatment should be directed at preventing absorption, administering to the symptoms as they occur, and providing supportive therapy.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

COC Flash Point: 95.0 C (203.0 F)

Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A

UEL: N/A

**EXTINGUISHING MEDIA:**

Small Fires: Use foam, carbon dioxide, dry chemical, or water spray. Large Fires: Use foam, water spray, or fog.

**FIRE & EXPLOSION HAZARDS:**

Keep material away from all sources of ignition: extreme heat, open flame, potential static or electric discharge, sparks, or sparks from frictional contact. Closed containers may explode from vapor pressure increases when exposed to extreme heat. Vapors may travel great distances and ignite and flashback to source.

**FIRE FIGHTING INSTRUCTIONS:**

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool fire-exposed containers. Do not spread fire with water.

**6. ACCIDENTAL RELEASE MEASURES**

**SAFEGUARDS (PERSONNEL):**

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Wear appropriate personal protective equipment. Ventilate spill area.

**INITIAL CONTAINMENT:**

Absorb spills with inert material. Eliminate all sources of ignition - heat, sparks, flame, electricity, and impact.

**LARGE SPILLS PROCEDURE:**

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Treat or dispose of waste material in accordance with all local state, provincial, and national requirements.

**SMALL SPILLS PROCEDURE:**

Same as above.

**MISCELLANEOUS:**

Disposal Methods: If discarded in its original unused form, this product should be managed (stored/treated/disposed/etc.) at an authorized facility, in compliance with all applicable Federal, State, and local requirements. Be sure to contact appropriate government environmental agencies if further disposal guidance is required. Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: 1) recycle or rework if at all feasible, 2) incinerate at an authorized facility, or 3) treat at a waste treatment facility.

**7. HANDLING AND STORAGE**

**HANDLING (PERSONNEL):**

Do not breathe vapor or get liquid in eyes or on skin or clothing. Use with adequate ventilation. Use spark-proof tools and explosion-proof equipment. Wear appropriate protective equipment.

**HANDLING (PHYSICAL ASPECTS):**

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Store in a cool dry area.

**STORAGE PRECAUTIONS:**

Containers of this material may be hazardous when emptied due to solid or vapor residue. All hazard precautions given in this data sheet must be observed for empty containers.

**SPECIAL SENSITIVITY:**

KEEP CLOSED AT ALL TIMES. DISPENSE INTO DRY CONTAINERS ONLY.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

Use only with adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**EYE / FACE PROTECTION REQUIREMENTS:**

Wear safety glasses with side shields (or goggles) and a face shield.

**SKIN PROTECTION REQUIREMENTS:**

Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation.

**RESPIRATORY PROTECTION REQUIREMENTS:**

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

**MISCELLANEOUS:**

Use good personal hygiene practices; limit exposure to product whenever possible to minimize clean-up.

**EXPOSURE GUIDELINES:**

No Information Available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Oil-like Liquid
COLOR:	Dark Yellow
BOILING POINT:	Not established F
VAPOR DENSITY:	NA (Air = 1)
SOLUBILITY IN WATER:	Insoluble
SPECIFIC GRAVITY:	Not established (Water = 1)
% VOLATILES:	0 %

## 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable.

**POLYMERIZATION:**

Hazardous polymerization will not occur.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Avoid contact with strong oxidizing agents.

**DECOMPOSITION:**

Decomposition may produce fumes, smoke, oxides of carbon and hydrocarbons. Decomposition forms oxides of carbon and nitrogen. Decomposition may produce amines.

**11. TOXICOLOGICAL INFORMATION**

**MISCELLANEOUS:**

No information available.

**12. ECOLOGICAL INFORMATION**

**MISCELLANEOUS:**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:**

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL:	YELLOW JACKET® Universal A/C Dye
D.O.T. SHIPPING NAME:	Not Regulated
D.O.T. HAZARD CLASS:	Non-Hazardous

**15. REGULATORY INFORMATION**

**MISCELLANEOUS INFORMATION:**

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

**SARA Title III - Section 313**

M91001 Chromatint Fluorescent Yellow UNVL 0763 (BLEND) -- n/a

**CERCLA Hazardous Substances**

M91001 Chromatint Fluorescent Yellow UNVL 0763 (BLEND) -- n/a

**16. OTHER INFORMATION**

REASON FOR ISSUE:	Update
PREPARED BY:	Ron Plasek
APPROVAL DATE:	February 2, 2010

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RTN NUMBER: 00000056 (Official Copy)

**ADDITIONAL INFORMATION:**

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

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**END OF MSDS**

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