



Material Safety Data Sheet
acc. to ISO/DIS 11014 and OSHA 29 CFR
1910.1200

Printing date 07/09/2012

Reviewed on 07/09/2012

1 Company and Substance / Formulation Identification

- **Product identifier**
 - **Product name:** YELLOW JACKET Universal A/C Dye
 - **Product Code** 69700, 69701, 69702, 69703, 69708, 69709, 69710, 69711, 69712, 69713, 69719, 69720, 69721.
 - **Application of the substance / preparation** Dyestuff/Colouring agent
- **Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
Ritchie Engineering Co., Inc.
10950 Hampshire Ave., S.
Bloomington, MN 55438
(952)943-1333
custserv@yellowjacket.com
 - **Department:** Regulatory
 - **Emergency telephone number:** During normal opening times: +1 (734) 451-1230

2 Composition/information on ingredients

- **Chemical characterization: Mixtures**
 - **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Hazardous components:**

64742-94-5	Solvent naphtha (petroleum), heavy arom.	Asp. Tox. 1, H304	10-25%
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3 Hazards identification

- **Classification of the substance or mixture**
As defined by SARA 311/312, this product contains materials that are acute and chronic hazards.
This product contains hazardous ingredients under OSHA Hazard Communication Standard, 29 CFR 1910.1200.
The product is not classified according to the Globally Harmonized System (GHS).

-
- **Label elements**
 - **GHS label elements** Void
 - **Hazard pictograms** Void
 - **Signal word** Void
 - **Hazard statements** Void
 - **Classification system:**

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NFPA ratings (scale 0 - 4)

Health = 1
Fire = 1
Reactivity = 0

· HMIS-ratings (scale 0 - 4)

Health = 1
Fire = 1
Reactivity = 0

- **Other hazards** Personal Protection Index: B

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.

5 Firefighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** Can form explosive gas-air mixtures.
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

- **Handling:**
 - **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Store in cool, dry place in tightly closed receptacles.
 - **Protection against explosions and fires:** Keep ignition sources away - Do not smoke.
- **Storage:**
 - **Requirements for storerooms and containers:**
Store in a cool location.
Store only in the original receptacle.
 - **Further information about storage conditions:**
None.
Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Technical systems:**
Facilities using this material should be equipped with an eye wash station and a safety shower.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
 - **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.
 - **Protection of hands:**
Use of gloves suggested; concentrated dye products may stain skin if directly contacted.
 - **Glove Material** No specified glove material; most liquid-impervious protective gloves will suffice.
 - **Eye protection:** General eye protection suggested when handling any chemical product.
 - **Body protection:**
Oil resistant protective clothing
Protective work clothing

9 Physical and chemical properties

- | | |
|---|--|
| · General Information | |
| · Appearance: | |
| · Form: | Liquid |
| · Color: | Dark yellow |
| · Odor: | Characteristic |
| · Change in condition | |
| · Melting point/Melting range: Undetermined. | |
| · Boiling point/Boiling range: Undetermined. | |
| · Flash point: | 94°C (201 °F) |
| · Auto igniting: | Product is not selfigniting. |
| · Danger of explosion: | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |

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- | | |
|---|--|
| · Explosion limits: | |
| · Lower: | Not determined. |
| · Upper: | Not determined. |
| · Density: | Not determined. |
| · Solubility in / Miscibility with | |
| · Water: | Insoluble. |
| · Viscosity: | |
| · Kinematic: | >20 centistoke |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
Carbon monoxide
Flammable gases/vapors

11 Toxicological information

- **Acute toxicity:**
 - **LD/LC50 values that are relevant for classification:** Product has not been tested.
 - **Primary irritant effect:**
 - **on the skin:** Contact may cause irritation.
 - **on the eye:** Contact may cause irritation.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Other information:** The product is difficultly biodegradable.
- **Behavior in environmental systems:**
 - **Bioaccumulative potential** No further relevant information available.
- **Additional ecological information:**
 - **General notes:**
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Delivery of waste oil to officially authorized collectors only.
Must be specially treated adhering to official regulations.

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- **Uncleaned packagings:**
- **Recommendation:** Packaging can be reused or recycled after cleaning.

14 Transport information

- **UN-Number**
- DOT, ADR, ADN, IMDG, IATA Void
- **UN proper shipping name**
- DOT, ADR, ADN, IMDG, IATA Void
- **Transport hazard class(es)**
- DOT, ADR, ADN, IMDG, IATA
- Class Void
- **Packing group**
- DOT, ADR, IMDG, IATA Void
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **UN "Model Regulation":** -

15 Regulatory information

- **SARA**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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· **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **OSHA (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

16 Other 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. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Chromatech Inc. The data on this sheet are related only to the specific material designated herein, and the information available for all ingredients at the time of creation. Chromatech Inc. assumes no responsibility for use or reliance upon these data. Any information that is withheld herein (such as exact chemical identity) has been reserved as a trade secret as per applicable regulations.

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