

Printing date 12/20/2018

Reviewed on 12/20/2018

1 Company and Substance / Formulation Identification

· Product identifier

- **Product name:** 421175 All Purpose AC Dye
- **Product Code** 69708, 69709, 69710, 69711, 69712, 69713, 69800, 69801, 69802, 69803
- **Application of the substance / preparation** Dyestuff/Colouring agent

· Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**
Ritchie Engineering Company, Inc.
10950 Hampshire Avenue South
Bloomington, MN 55438-2623 U.S.A
Phone: 952-943-1333, Fax: 1-800-322-8684.
- **Department:** Regulatory
- **Emergency Telephone:**
US & Canada 800-424-9300 (24 HOURS) CHEMTREC;
Call collect outside continental US & Canada: 703-527-3887

2 Hazard(s) identification

· Classification of the substance or mixture

The product is not hazardous according to the Globally Harmonized System (GHS).

· Label elements


- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:** The product is not hazardous according to the Globally Harmonized System (GHS).

3 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%
------------	--	---	--------

4 First-aid measures

· Description of 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.
- **Information for doctor:**
 - **Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 2)

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing date 12/20/2018

Reviewed on 12/20/2018

Product name: 421175 All Purpose AC Dye

(Contd. from page 1)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
 - **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**
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
 - **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
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).
- **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.

7 Handling and storage

- **Handling:**
 - **Precautions for safe handling**
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
 - **Protection against explosions and fires:** No special measures required.
 - **Special Sensitivity:** Keep container closed when not in use.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements for storerooms and containers:**
Store only in the original receptacle.
No special requirements.
 - **Further information about storage conditions:** None.
- **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.

(Contd. on page 3)

US

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing date 12/20/2018

Reviewed on 12/20/2018

Product name: 421175 All Purpose AC Dye

(Contd. from page 2)

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

64742-94-5 Solvent naphtha (petroleum), heavy arom.

ACGIH-TLV	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³
-----------	--

- **Additional Occupational Exposure Limit Values for possible hazards during processing:**

- Oil mists: When mists / aerosols can occur, the following are recommended: 5 mg/m³ - ACGIH TLV

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.

- **Protection of hands:**

- Use of gloves suggested; concentrated dye/pigment 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

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:** Liquid
- **Color:** Dark yellow
- **Odor:** Characteristic

- **pH-value:** Not determined.

- **Change in condition**

- **Melting point/Melting range:** Undetermined.

- **Boiling point/Boiling range:** Undetermined.

- **Flash point:** 94 °C (201.2 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Not determined.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Vapor pressure at 20 °C (68 °F):** 0.1 hPa (0.1 mm Hg)

- **Density:** Not determined.

- **Relative density:** Not determined.

- **Solubility in / Miscibility with**

- **Water:** Soluble.

- **Viscosity:**

- **Kinematic:** >20 centistoke

(Contd. on page 4)

US

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing date 12/20/2018

Reviewed on 12/20/2018

Product name: 421175 All Purpose AC Dye

(Contd. from page 3)

· **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
Carbon monoxide
Flammable gases/vapors
In the case of a fire, oxides of carbon, fumes, and smoke may be produced.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
 - **LD/LC50 values that are relevant for classification:**
Product has not been tested.

64742-94-5 Solvent naphtha (petroleum), heavy arom.

Oral	LD50	>5,000 mg/kg (rat)
------	------	--------------------

- **Primary irritant effect:**
 - **on the skin:** Contact may cause irritation.
 - **on the eye:** Contact may cause irritation.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
 - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
 - **Bioaccumulative potential** No further relevant information available.
 - **Mobility in soil** No further relevant information available.

(Contd. on page 5)

US

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing date 12/20/2018

Reviewed on 12/20/2018

Product name: 421175 All Purpose AC Dye

(Contd. from page 4)

· **Additional ecological information:**

· **General notes:**

Danger to drinking water if even small quantities leak into the ground.

Do not allow product to reach ground water, water course or sewage system.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

Delivery of waste oil to officially authorized collectors only.

Must be specially treated adhering to official regulations.

· **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:** Not applicable.

· **Special precautions for user** Not applicable.

· **UN "Model Regulation":** Void

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **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:** No Proposition 65 carcinogens.

(Contd. on page 6)

US

Safety Data Sheet

OSHA 29 CFR 1910.1200

Printing date 12/20/2018

Reviewed on 12/20/2018

Product name: 421175 All Purpose AC Dye

(Contd. from page 5)

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **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.

- **Clean Water Act**

- **Clean Water Act - Toxic Pollutants (40 CFR 401.15)**

None of the ingredients is listed.

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Other classification information**

- **NFPA ratings (scale 0 - 4)**



Health = 1

Fire = 1

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 1

Fire = 1

Reactivity = 0

16 Other information

The information in this 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 the manufacturer/supplier. 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. Manufacturer/supplier assumes no responsibility for use or reliance upon these data. Any information that is withheld herein (such as exact chemical identity or exact concentration) has been reserved as a trade secret as per applicable regulations.

- **Contact:** ABH

- **Date of preparation / last revision** 12/20/2018 / 3

- **Abbreviations and acronyms:**

- Asp. Tox. 1: Aspiration hazard – Category 1