

MSDS Information

Section 1. CHEMICAL PRODUCT SECTION

Product Name: RADIATOR COOLANT DYE
Product: #4928 AND #4929
Date Prepared: 01-2009

Manufacturer: FJC
P. O. Box 499
101 Commercial Drive
Mooresville, NC 28115
PH: 704-664-3587
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For Chemical Emergency
Call INFOTRAC – 24 Hour Number
1-800-535-5053
Outside of United States
Call 24 Hour Number
1-352-323-3500

Section 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	CHEMICAL FAMILY	Weight %
Blend	Description D11006 Chromatint Uranine HS Liquid	100 %

This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Section 3. HAZARD IDENTIFICATION

Emergency Overview:

The hazards of this product should be low under normal industrial and commercial uses. May cause skin or eye irritation after repeated or prolonged contact. This material is a concentrated colorant and should not be allowed to enter soil or surface water.

Potential Health Effects:

Eyes: Not known to cause permanent injury to eye tissue. Contact may cause eye irritation.

Skin: Prolonged or repeated skin contact may cause skin irritation. Not expected to be a skin irritant.

Inhalation: No known hazards in normal industrial use. No information regarding inhalation available.

Ingestion: No information regarding ingestion available. May be harmful if swallowed.

Carcinogenicity: No known cancer hazards.

HMIS Classification:

Health:	1
Flammability	0
Reactivity	0
Personal Protection Index	C

Section 4. FIRST AID MEASURES

Eye Contact:

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

Skin Contact:

Get medical attention if irritation develops or persists. Wash affected area immediately with large amounts of soap or water.

Inhalation:

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

Ingestion:

Contact a physician. Never give anything by mouth to an unconscious person. If swallowed, immediately give 2 glasses of water. Unless advised otherwise, induce vomiting.

Section 5. FIRE FIGHTING MEASURES

COC Flash Point:

N/A

Flammable limits in Air

LEL: %

UEL: %

Autoignition Temperature:

N/A

Extinguishing Media:

Water, carbon dioxide, foam or dry powder.

Fire & Explosion Hazards:

No known unusual hazards in a fire/explosion situation.

Fire Fighting Instructions:

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.

Section 6.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

Wear appropriate personal protective equipment

Initial Containment

Contain spilled material. Do not allow material to enter soil or surface water. Absorb spills with inert material. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Wash area to prevent shipping.

Large Spill Procedures

This material is a concentrated colorant. Contain spilled material. Large spillage should be dammed-off and pumped into containers. Take up the remainder by absorbent material. Prevent spilled product from entering streams or drinking water supply. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

Small Spill Procedures

Absorb spills with inert material. Avoid disposal into waste water treatment facilities. Floor may become slippery. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

Section 7.

HANDLING AND STORAGE

Handling (Personnel)

Do not get in eyes, on skin or clothing. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. When sampling containers use appropriate personal protective equipment.

Handling (Physical Aspects)

Avoid extreme temperatures. Keep container closed to avoid contamination. Avoid contact with strong oxidizing agents.

Storage Precautions

Protect containers from physical damage. Do not stack drums more than three pallets high.

Special Sensitivity
KEEP FROM FREEZING

Section 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels.

Eye/Face Protective Requirements:

Wear safety glasses. Where contact with this material is likely, eye protection is recommended.

Skin Protection:

Wear protective gloves to minimize skin contamination. For brief contact, normal work attire should be sufficient. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

Respiratory Protection:

Under normal use conditions, with adequate ventilation, no special handling equipment is required.

Miscellaneous

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

Exposure Guidelines

No information available

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Amber
Odor:	No odor
Boiling Point:	100C
Solubility in Water:	Soluble
Specific Gravity:	1.19 (Water = 1)
Melting/Freezing Point:	0C
PH:	9.8 (undiluted)

Section 10. STABILITY AND REACTIVITY

Stability

This compound is stable at ambient conditions.

Polymerization

Hazardous polymerization will not occur

Incompatibility with other materials
Avoid contact with strong oxidizing agents

Decomposition
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.

Section 11. TOXICOLOGY INFORMATION

Miscellaneous
Liquid contact may irritate eyes and skin. Solution is alkaline

Section 12. ECOLOGICAL INFORMATION

Information not available.

Section 13. DISPOSAL CONSIDERATIONS

Waste Disposal
Uncleaned empty containers should be disposed of in the same manner as the contents. Due to the highly concentrated color, 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 national requirements.

Section 14. TRANSPORTATION INFORMATION

Product Label	D11006 Chromatint Uranine HS Liquid
D.O.T. Shipping Name	Not regulated
Technical Shipping Name	N/A
D.O.T. Hazard Class	Non-Hazardous
UN Number	N/A
D.O.T. Label	N/A
D.O.T. Placard	N/A
Bulk Class	N/A
Package Class	N/A

Section 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)

This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS)

This material or all of its components are listed on the Canadian Domestic Substances List (DSL)

Section 16

OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. **However, neither FJC nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.** Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.
