

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

 PRODUCT NAME: **Xylene Cyanole FF**

PRODUCT NUMBER: HS-608

CHEMICAL NAMES/ DESCRIPTION: Xylene Cyanol; C.I. 42135

 MANUFACTURER: National Diagnostics, Inc
 305 Patton Drive
 Atlanta, GA 30336

 TELEPHONE NUMBER:
 (800) 526-3867
 (404) 699-2121

 EMERGENCY NUMBER:
 CHEMTREC (800) 424-9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	% Comp	CAS #	EINECS #	TLV (units)
Xylene Cyanol	90 - 100	2650-17-1		none established

EEC LABEL SYMBOL AND CLASSIFICATION



IRRITANT

R: 36

Irritating to eyes.

S: 26-36

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

3. HAZARDS IDENTIFICATION

APPEARANCE AND ODOR: Dark Blue-green Crystalline solid

EMERGENCY OVERVIEW - IMMEDIATE HAZARD

CAUTION! MAY CAUSE IRRITATION!

EMERGENCY OVERVIEW - CHRONIC HAZARD WARNING

No information found.

POTENTIAL HEALTH EFFECTS

INHALATION

None identified.

INGESTION

May be irritating to the mucous membranes and upper respiratory tract.

SKIN

Irritation.

EYES

Irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

INHALATION

Coughing, sore throat.

INGESTION

None identified.

SKIN

Pain and redness.

EYES

Pain and redness.

CARCINOGENICITY

Not listed by NTP or IARC as a known or possible carcinogen.

MUTAGENICITY

No information found.

REPRODUCTIVE TOXICITY

No information found.

TERATOGENIC EFFECTS

No information found.

ROUTES OF ENTRY

No information found.

TARGET ORGAN STATEMENT

No information found.

4. FIRST AID MEASURES

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

INGESTION:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Call a physician.

SKIN:

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

EYES:

Immediately flush eyes with plenty of water for at least fifteen minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

FLASH POINT: N.A. **FLAMMABLE LIMITS:** N.A.

FLASH POINT METHOD: N.A. **AUTOIGNITION TEMPERATURE:** N.A.

EXTINGUISHING MEDIA

Use media appropriate to the primary cause of fire.

PROTECTIVE EQUIPMENT

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

HAZARDOUS COMBUSTION PRODUCTS:

Thermal decomposition products may include toxic oxides of nitrogen, sulfur, and carbon.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Not considered an explosion hazard.

NFPA CODES: Health: N.A. Flammability: N.A. Reactivity: N.A.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Wear self-contained breathing apparatus and full protective clothing. With clean shovel, carefully place material into clean, dry container and cover; remove from area. Flush spill area with water.

WASTE DISPOSAL METHOD

Disposal must be made in accordance with applicable federal, state, and local regulations.

PERSONAL PRECAUTIONS

Wear appropriate protective equipment as specified in section 8.

7. HANDLING AND STORAGE

HANDLING

Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

STORAGE

Keep in a tightly closed container, stored in a cooled, dry, ventilated area.

STORAGE TEMPERATURE: Room Temperature

DISPOSAL

Observe all national, state, and local regulations regarding disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:

Component: Xylene Cyanol

ACGIH Threshold Limit Value (TLV): none established

OSHA Permissible Exposure Limit (PEL):

ENGINEERING CONTROLS

A system of local and/or general exhaust is recommended to keep employee exposures low. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

RESPIRATORY PROTECTION

For conditions of use where exposure to the substance is apparent, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.

EYE PROTECTION

Safety glasses.

SKIN PROTECTION

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

OTHER CONTROL MEASURES

There is insufficient data in the published literature to assign complete numerical safety ratings and laboratory protective equipment for this product. Special precautions must be used in storage, use and handling.

9. PHYSICAL PROPERTIES

Boiling Point	No data found.	Evaporation Rate	No data found.
Melting Point	No data found.	Solubility in Water	Moderate (1 - 10%)
Vapor Pressure mm Hg	Not applicable.	pH	No data found.
Vapor Density Air = 1	Not applicable.	Specific Gravity (H ₂ O = 1)	No data found.
% Volatile by Volume 0			

10. STABILITY AND REACTIVITY

STABILITY

Stable under ordinary conditions of use and storage.

CONDITIONS TO AVOID

No information found.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of nitrogen, oxides of sulfur, carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION

Will not occur

INCOMPATIBLES

Strong oxidizing agents, strong reducing agents.

11. TOXICOLOGICAL INFORMATION

PRODUCT LD50 VALUES

Xylene Cyanole FF

Oral Rat LD50 (mg/kg): No data.

Xylene Cyanole FF

Dermal Rabbit LD50 (mg/kg): No data.

COMPONENT CANCER LIST STATUS

Component	NTP Carcinogen		IARC Category
	Known	Anticipated	
Xylene Cyanol	No	No	None

12. ECOLOGICAL INFORMATION

No information found.

13. DISPOSAL CONSIDERATIONS

Observe all national, state, and local regulations regarding disposal.

14. TRANSPORT INFORMATION

Domestic (D.O.T.)

Proper Shipping Name: Not regulated.

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

International (I.A.T.A. / I.M.O.)

Proper Shipping Name: Not regulated.

Hazard Class: N.A.

UN Number: N.A.

Packing Group: N.A.

15. REGULATORY INFORMATION

UNITED STATES

TSCA Regulatory:

INTENDED FOR R&D USE ONLY. NOT ON THE TSCA INVENTORY.

SARA 311/312 Hazard Categories

Component	Fire	Pressure	Reactivity	Acute	Chronic
Xylene Cyanol	No	No	No	Yes	Yes

EUROPE

EEC Regulatory:

All intentional ingredients are listed on the European EINECS Inventory.

EEC LABEL SYMBOL AND CLASSIFICATION



IRRITANT

R: 36

Irritating to eyes.

S: 26-36

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16. OTHER INFORMATION

NFPA CODES: Health: N.A. Flammability: N.A. Reactivity: N.A.

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