

化学品安全技术说明书

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**MSDS标题**

XYLENE CYANOLE FF MSDS报告

**产品标题**

二甲苯蓝

**CAS号**

2650-17-1

**化学品及企业标识**

**PRODUCT NAME**

XYLENE CYANOLE FF

**NFPA**

Flammability	1
Toxicity	0
Body Contact	2
Reactivity	1
Chronic	2

SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

**PRODUCT USE**

Dye marker for agarose or acrylamide gel electrophoresis. Suitable as a tracking dye for DNA sequencing.

## **SYNONYMS**

C25-H28-N2-O6-S2.Na, "C.I. 42135", cyclohexadien-1-ylidene)methyl-1, cyclohexadien-1-ylidene)methyl-1, "1, 3-benzenedisulfonic acid, 4-[[4-(ethylamino)-3-methylphenyl][4-(ethylimino)-3-methyl-2, 5-cyclohexadien-1-ylidene]methyl]-, monosodium salt", "1, 3-benzenedisulfonic acid, 4-[[4-(ethylamino)-3-methylphenyl][4-(ethylimino)-3-methyl-2, 5-cyclohexadien-1-ylidene]methyl]-, monosodium salt", "agarose/ acrylamide gel dye marker"

## **CANADIAN WHMIS SYMBOLS**

## **EMERGENCY OVERVIEW**

### **RISK**

Irritating to eyes and respiratory system.

## **POTENTIAL HEALTH EFFECTS**

### **ACUTE HEALTH EFFECTS**

#### **SWALLOWED**

The material has NOT been classified as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. The material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g. liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality (death) rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, unintentional ingestion is not thought to be cause for concern.

#### **EYE**

This material can cause eye irritation and damage in some persons.

#### **SKIN**

The material is not thought to produce adverse health effects or skin irritation following contact (as classified using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

## **INHALED**

The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled. Not normally a hazard due to non-volatile nature of product.

## **CHRONIC HEALTH EFFECTS**

Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. Long term exposure to high dust concentrations may cause changes in lung function i.e. pneumoconiosis; caused by particles less than 0.5 micron penetrating and remaining in the lung. Prime symptom is breathlessness; lung shadows show on X-ray.