





# Fehling's Solution B, Alkaline No. 2

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Dike and contain spill.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.

Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders rtaonnel.

Protective equipment :

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8.2.

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Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not applicable.
Oxidizing properties	: No data available.

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Thermal decomposition generates : Corrosive vapors.

### 10.2. Chemical stability

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Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Bleeding of the gastrointestinal tract. Burns to the gastric/intestinal mucosa. Diarrhoea. Nausea. Vomiting.
Symptoms/effects upon intravenous administration	: Not available.
Chronic symptoms	: No specific information available.

### SECTION 12: Ecological information

#### 12.1. Toxicity

<b>Sodium Hydroxide (1310-73-2)</b>	
LC50 fish 1	45.4 mg/l (96 h, Salmo gairdneri, Static system, Fresh water, Experimental value, Solution >=50%)
EC50 Daphnia 1	40.4 mg/l (48 h, Ceriodaphnia sp., Experimental value, Nominal concentration)

#### 12.2. Persistence and degradability

<b>Fehling's Solution B, Alkaline No. 2</b>	
Persistence and degradability	Not established.

  

<b>Sodium Hydroxide (1310-73-2)</b>	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

  

<b>Water (7732-18-5)</b>	
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### SECTION 11 Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Transport document description	: UN1824 Sodium hydroxide solution, 8, II
UN-No.(DOT)	: UN1824
Proper Shipping Name (DOT)	: Sodium hydroxide solution
Transport hazard class(es) (DOT)	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Packing group (DOT)	: II - Medium Danger

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### Hazard Rating

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : C

C - Safety glasses, Gloves, Synthetic apron

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