

# MATERIAL SAFETY DATA SHEET

Decal Chemical Corp

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Tallman, NY 10982

EMERGENCY PHONE NUMBERS  
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## Formical - 4<sup>®</sup>

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**DATE OF ISSUE**

March 11, 2004

**PRODUCT DESCRIPTION**

Decalcifying Reagent

**TRADE NAMES**

Formical-4

**MANUFACTURER**

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Tallman, NY 10982

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**FORMULATION**

Proprietary

**INGREDIENTS**

Deionised water - CAS # 7732-18-5  
Formic Acid - CAS # 64-18-6  
Ethylenediaminetetraacetic Acid,  
CAS # 64-02-8  
Formaldehyde - CAS # 50-00-0

**HAZARDOUS INGREDIENTS**

Formic Acid - CAS # 64-18-6  
Formaldehyde - CAS # 50-00-0

**NFPA HAZARD CLASSIFICATIONS**

Health	1	(Hazardous)
Fire	0	(Will not burn)
Reactivity	0	(Stable)

**BOILING POINT**

103 Degrees Celsius (est)

**SOLUBILITY**

Completely miscible in water.

**APPEARANCE**

Clear, colorless liquid

**ODOR**

Pungnet

**FLASH POINT**

Extinguishes Flame

**FIRE PROCEDURES**

Toxic gases may be generated in fire situation.  
Breathing apparatus recommended.

**THRESHOLD LIMIT VALUE**

None. Material is an aqueous organic.

**REACTIVITY**

Stable

**INCOMPATIBILITY**

May be corrosive to some metal parts.  
Avoid excessive heating.  
Avoid prolonged contact with skin.

**IN CASE OF SPILLS**

Flush with water to dilute. Sodium bicarbonate (baking soda, soda ashe) may be used to neutralize and soak up liquid.

**DISPOSAL METHODS**

Dispose of in accordance with local regulations for Formalin solutions. May be neutralized with commercial formalin neutralizing agents.

**PRECAUTIONS**

Do not store in direct sunlight.  
Follow label directions carefully!  
Avoid temperatures above 100 deg. F.

**STORAGE**

Equip storage area for ventilation in case of spills.

**PROTECTIVE EQUIPMENT**

Ventilation: recommended  
Protective gloves: Neoprene or rubber

**EYE PROTECTION**

Chemical safety goggles

**FIRST AID**

**EYES:** Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician at once.

**SKIN:** Immediately flush with water for at least 15 minutes. Call a physician. If clothing comes in contact with the product, the clothing should be removed immediately and should be laundered before re-use.

**INGESTION:** Immediately drink large quantities of water. DO NOT induce vomiting. Call a physician at once. DO NOT give anything by mouth if the person is unconscious or having convulsions.

**DOT Labeling / Shipping Requirements**

None. Product is not considered corrosive or otherwise hazardous by US DOT, CFR 49-173.136 and ASTM G 31-72.

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