

# MATERIAL SAFETY DATA SHEET

Formaldehyde (Formalin) 5% v/v Solution

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Formaldehyde (Formalin) 5% v/v Solution  
Product Code: F6050  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 6/4/2013  
Print Date: 6/4/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	3
Flammability:	1
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA=Not Applicable NE=Not Established	

## SECTION 2 HAZARD IDENTIFICATION

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Formaldehyde, 37%	CAS# 50-00-0	5%	V/V	OSHA TWA 0.75 ppm(0.9mg/mf) , STEL 2 ppm(2.5mg/mf)
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Carbon Dioxide, dry chemical powder or appropriate foam

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Fire / Explosion Hazards: Thermal decomposition produces highly toxic fumes.  
Fire Fighting Procedure: Use water spray to cool fire exposed containers. Wear self-contained breathing apparatus and proper clothing to prevent contact with skin & clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

Absorb spill with inert material, then place in a chemical waste container. Ventilate and wash spill site. Dispose of in a manner consistent with federal, local law.

**SECTION 7 HANDLING AND STORAGE**

Store in a cool dry well ventilated area out of direct sunlight. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: NIOSH Approved Gloves  
Eye Protection: Goggles and Face Shield  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	~0° C	Percent Volatile by Volume:	~100%
Boiling Point:	~100° C	Evaporation Rate	N/E
Vapor Pressure:	not available	Evaporation Standard	N/A
Vapor Density:	not available	Auto Ignition Temp	N/E
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not available
Appearance /Odors:	Clear liquid, strong odor	Upper Flamm. Limit in Air	not available
Flash Point:	not flammable		
Specific Gravity:	1.0		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Avoid contact with incompatible materials.  
Materials to Avoid:  
Hazardous Decomposition Products: Toxic fumes of: Carbon Monoxide, Carbon Dioxide  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

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**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

**SECTION 16 Additional Information**

Toxic! Carcinogen! Conditions aggravated/target organs: Persons with preexisting skin, eye or respiratory conditions may be more susceptible. Acute: May be fatal if inhaled, swallowed or absorbed through skin. Irritation or burns to skin, eyes, mucous membranes and upper respiratory tract. May cause allergic reactions, coughing, chest pains, pulmonary edema, GI tract disturbance. Effects may be delayed. Chronic: Carcinogen. Dermatitis, eye damage.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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