

MATERIAL SAFETY DATA SHEET

PARAFORMALDEHYDE TEST SOLUTION "D"

SECTION 1 . Product and Company Identification

Product Name and Synonym: PARAFORMALDEHYDE TEST SOLUTION "D"
Product Code: 145-304
Material Uses:
Manufacturer: OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886
Entry Date : 5/5/2010
Print Date: 7/28/2010
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	1			
Flammability:	0			
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 cause irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview: May Cause Gastrointestinal Disturbances and Eye Irritation, Redness and Pain.

Inhalation: Not Expected to Be a Health Hazard.

Ingestion: Large Oral Doses may Cause Gastrointestinal Disturbances.

Skin: No Adverse Effects Expected.

Eye Contact: May Cause Irritation, Redness and Pain.

Aggravated by Exposure: No Information Found.

Chronic Exposure: No Information Found.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input checked="" type="checkbox"/>	Hydrochloric Acid	CAS# 7647-01-0	0.5 - 1.0%	V/V	OSHA PEL (C) 5 ppm, (C) 7 mg/m ³
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

SECTION 4 FIRST AID MEASURES

May cause irritation and burns. May be harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids

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occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: None

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak base.

Dilute with Water and Flush to Sewer if Local Ordinances Allow, Otherwise, Whatever Cannot be Saved for Recovery or Recycling should be Managed in an Appropriate and Approved Waste Disposal Facility. Processing, Use or Contamination of this Product may Change the Waste Management Options.

SECTION 7 HANDLING AND STORAGE

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Gloves to prevent skin exposure as rubber or vinyl

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	~ 0°C	Percent Volatile by Volume:	> 99
Boiling Point:	~ 100°C	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not Applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not Applicable
Appearance /Odors:	Clear, colorless liquid with	Upper Flamm. Limit in Air	Not Applicable

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slight HCl
odor
Flash Point: Not flammable
Specific Gravity: ~ 1

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: None known
Materials to Avoid: Concentrated Acids and Bases, Water
reactive materials.
Hazardous Decomposition Products: HCl fumes, Chlorine
Hazardous polymerization: Will Not Occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

Carcinogenic References: Hydrogen Chloride - IARC Category 3, NTP Carcinogen - Known: No

SECTION 12 Ecological Information

When Released into the Soil, this Material is Not Expected to Biodegrade. When Released into the Soil, this Material may Leach into Groundwater.

SECTION 13 Disposal Considerations

State and Local Disposal Regulations May Differ from Federal Disposal Regulations. Dispose of Container and Unused Contents in Accordance with Federal, State and Local Requirements.

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

Chemical Inventory Status –
Part 1:Ingredient TSCA EC Japan Australia
Hydrogen Chloride (7647-01-0) YesYesYes Yes
Water (7732-18-5) Yes Yes Yes Yes

Chemical Inventory Status –
Part 2:Ingredient Korea DSL NDSL Phil.
Hydrogen Chloride (7647-01-0) Yes Yes NO Yes
Water (7732-18-5) Yes Yes NO Yes

Federal, State & International Regulations –
Part 1: Ingredient RQ TPQ List Chem Catg.
Hydrogen Chloride 5000 500 NO Yes
Water (7732-18-5) NO NO NO NO

Federal, State &
International Regulations –
Part 2:Ingredient CERCLA 261.33 8(d)
Hydrogen Chloride 5000 NO NO
Water (7732-18-5) NO NO NO

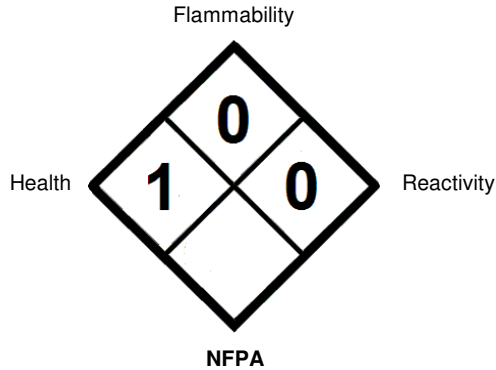
Chemical Weapons Convention:NO
TSCA 12 (b):No
CDTA:No

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SARA 311/312: Acute: Yes Chronic: Yes
Fire: NO Pressure: No
Reactivity: No MIXTURE/LIQUID)
Australian Hazchem NONE ALLOCATED
Poison Schedule:NONE ALLOCATED

SECTION 16 Additional Information

Conditions aggravated/Target organs: none known. Corrosive effects.
Acute: Irritation possible to skin, eyes, lungs, and mucous membranes,
itching. Chronic: none known.



Revisions

	NFPA	
	0	
7/26/2010	0.1	updated msds to 16 section from 10 section msds. STN

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