Material Safety Data Sheet

PCB Wipe 12 Test Kit

MATERIAL IDENTIFICATION

Manufacturer/Distributor:	Strategic Diagnostics Inc. 111 Pencader Drive Newark, DE 19702
Phone Number:	1-(302) 456-6789
Trade Names and Synonyms:	PCB Wipe 12 Test Kit (7021301)
NFPA Ratings	Health: 3 Flammability: 3 Reactivity: 1

OSHA HAZARD DETERMINATION

Hazardous Ingredients	CAS Number	Weight Percent
Methanol Methyl alcohol, Wood alcohol	67-56-1	≤ 100
N,N-Dimethylformamide	68-12-2	≤ 26
Sulfuric Acid Oil of Vitriol; Hydrogen Sulfate; Sulphuric acid	7664-93-9	≤ 6

PHYSICAL DATA

Plastic kit containing small amounts of various liquids and powders.

HAZARDOUS REACTIVITY

Instability Stable - Reactivity not expected with the product.

FIRE AND EXPLOSION DATA

Fire and Explosion Hazards Methanol is a fire and explosion hazard. Methanol has a flash point of 50° F. Fire hazard when exposed to heat, flame, or oxidizers. Vapors are explosive. N,N'-Dimethylformamide has a flash point of 58°C.

Extinguishing Media Use alcohol foam, Carbon Dioxide or dry chemical to extinguish fire.

Special Fire Fighting Instructions Firefighters should wear self – contained breathing apparatus and protective clothing.

HEALTH HAZARD INFORMATION

Primary Route(s) of Exposure/Entry: Skin, Eyes and Mouth. Flush skin and eyes with large amounts of water for at least 15 minutes. If inhaled or ingested, seek prompt medical attention.

Signs and Symptoms of Exposure/Medical Conditions Aggravated by Exposure:
Methanol may be harmful, if inhaled or ingested. May be fatal, if sufficient quantity is ingested. If ingested,

induce vomiting immediately. Methanol can also cause headache, nausea, blindness and gastrointestinal disturbance.
N,N – Dimethylformamide may cause irritation to skin, eyes, and mucous membranes. Flush skin and eyes with large amounts of water. The other adverse effects that may occur with this chemical are : headache and nausea.

Eye exposure to concentrated sulfuric acid solution may cause severe damage, often leading blindness. Dilute solutions produce a more transient effect from which recovery may be complete. Exposure to mist may cause eye irritation and lacrimation. Skin contact with sulfuric acid may cause severe irritation and pain, burns and vesiculation.
The toxicological properties of the kit components have not been fully defined. Contact may cause irritation to eyes, skin, and mucous membranes. May cause irritation if inhaled or ingested. Limit exposure to material.

Sulfuric acid is corrosive and may cause severe burning pain in the mouth, throat, and abdomen followed by vomiting and diarrhea. Asphyxia may occur from the swelling of the throat. Perforation of the esophagus and stomach may occur.

Carcinogenicity: None of the components in this material is listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

Applicable Exposure Limits

Methanol
OSHA/PEL 262 mg/m3
ACGIH /TLV 262 mg/ m3
TXDS: orl-rat LD_{50} 5628 mg/kg
ihl-rat LC_{50} 64000 ppm/4H
orl-mice LD_{50} 7300 mg/kg
skn-rbt LD_{50} 15800 mg/kg

N.N – Dimethylformamide
OSHA/PEL 30 mg/m3 (10 ppm)
ACGIH / TLV 30 mg/m3 (10 ppm)

Sulfuric acid
OSHA/ PEL 1 mg/m^3
ACGTH/TLV 1 mg/m^3

FIRST AID

Inhalation No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. Consult a physician if necessary.

Skin Contact The compound is not likely to be hazardous by skin contact, but may cause irritation. If irritation occurs flush skin with large amounts of water. If irritation persists, contact a physician.

Eye Contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Ingestion The compound is toxic by ingestion. Call a physician.

PROTECTION INFORMATION

General Control Measures and Precautions: Ventilation - Natural ventilation.

Personal Protective Equipment: Respiratory Protection: None required.

Protective Gloves: Are highly recommended.

Eye Protection: Safety glasses are required.

Other Protective Equipment: A lab coat or other long – sleeved garment is required to limit skin exposure. Access to a safety shower and eyewash is required.

SPILL, LEAK AND DISPOSAL INFORMATION

Spill, Leak, or Release Review FIRE AND EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with clean up.

Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Contain spill and collect in suitable container. Eliminate any ignition sources in the area. Use adequate ventilation.

No special clean up practices are required.

Waste Disposal Dispose of as solid waste in accordance with any applicable federal, state, and local requirements.

SHIPPING INFORMATION

DOT	Proper Shipping Name	Not DOT regulated.
IATA/IMO	Proper Shipping Name	Not restricted.

TITLE III HAZARD CLASSIFICATION

Acute	No
Chronic	No
Fire	No
Reactivity	No
Pressure	No

REGULATORY INFORMATION

OSHA HAZARD DETERMINATION: This material is not known to be hazardous as defined by OSHA's Hazard Communication Standard, 29 CFR 1910.1200

EPA DETERMINATIONS:
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, & LIABILITY ACT (CERCLA/SUPERFUND), 40 CFR 302 - This material is not known to contain hazardous substances in sufficient quantity to make it subject to CERCLA regulations.

TOXIC SUBSTANCES CONTROL ACT (TSCA), 40 CFR 710
The material is a mixture as defined by TSCA. The chemical ingredients in this material are in the Section 8(b) Chemical Substance Inventory and/or are otherwise in compliance with TSCA. In the case of ingredients obtained from other manufacturers, Strategic Diagnostics, Inc. relies on the assurance of responsible third parties in providing this statement.

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), 40 CFR 261, SUBPARTS C AND D
The material, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations; however, it could be considered hazardous if it meets criteria for being toxic, corrosive, ignitable or reactive according to U.S. EPA definitions (40 CFR 261). This material could also become a hazardous waste if it is mixed with or comes in contact with a listed hazardous waste. If it is a hazardous waste, regulations 40 CFR 262-266 and 268 may apply.

HAZARDOUS MATERIALS TRANSPORTATION REGULATIONS, 49 CFR 171-178 - This material is not known to contain hazardous substances in sufficient quantity to make it subject to the Regulations.

FOREIGN REGULATIONS: CANADIAN HAZARDOUS PRODUCTS ACT (WHMIS)
The material is not a WHMIS Controlled Product.

STATE REGULATIONS:
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986 ("PROPOSITION 65")
The material is not known to contain any ingredients (s) subject to the Act.

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT
This material is not known to contain any ingredient(s) subject to the Act. Non-hazardous ingredient(s) information is withheld as trade secret in accordance with Section 11 of the Pennsylvania Worker and Community Right to Know Act.

The above data are based on tests, experience, and other information which Strategic Diagnostics Inc. believes reliable and are supplied for informational purposes only. However, some ingredients may have been purchased or obtained from third-party manufacturers. In these instances, Strategic Diagnostics, Inc., in good faith, relies on information provided by those third parties. Since conditions of use are outside our control, STRATEGIC DIAGNOSTICS INC. DISCLAIMS ANY LIABLITITY FOR DAMAGE OR INJURY WHICH RESULTS FROM USE OF THE ABOVE DATA. NOTHING CONTAINED HEREIN SHALL CONSTITUTE A GUARANTEE, WARRANTY (INCLUDING WARRANTY OF MERCHANTABILITY) OR REPRESENTATION (INCLUDING FREEDOM FROM PATENT LIABILITY) BY STRATEGIC DIAGNOSTICS, INC. WITH RESPECT TO THE DATA, THE MATERIAL DESCRIBED, OR ITS USE FOR ANY SPECIFIC PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO STRATEGIC DIAGNOSTICS INC.

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