Material Safety Data Sheet

Section 1 General Information

Manufacturer:
Zinsser Company, Inc.
173 Belmont Drive
Somerset, NJ 08875
(732) 469-8100

HMIS Rating

HEALTH:	2
FLAMMABILITY:	1
REACTIVITY:	0

Emergency Telephone: Chemtrec (800) 424-9300

Date: December 1, 2006

Product Name: **Jomax**

Codes: 60101 60102 60103 60104 60105 60112 60121 60122 60136 60148 60151 60155 60157

Section 2 Hazardous Ingredients

Hazardous Component	CAS#	OSHA PEL	ACGIH TLV
Acetic Acid	64-19-7	10 ppm	10 ppm

Section 3 Hazard Identification

Emergency Overview: This material is a milky white liquid with a flash point greater than 200° F. This material is used as a mildew remover and is an EPA registered pesticide.

Primary Routes of Exposure:

Inhalation
Skin Contact
Eye Contact

Potential Acute Health Effects:

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Not determined.

Inhalation: May cause respiratory tract irritation.

Final Use Product (diluted): In addition to the above information, warnings and handling precautions provided by the producer of household bleach used to prepare the final use product should also be read and followed to minimize the risk of injury.

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

Potential Chronic Health Effects: This product contains Sodium O-Phenylphenate. Some substituted phenols have been shown to cause depigmentation (white patches on skin), even at diluted concentrations. O-Phenlphenol (OPP) has an important structural difference from the substituted phenol associated with depigmentation. OPP has been reported to produce depigmentation in experimental animals when given orally, but not by skin contact, and in humans only at concentrations that are also significantly irritating to the skin. OPP has not been found to cause depigmentation when present at concentrations used in disinfectant formulations.

Section 4 First Aid Measures

Eye contact: Immediately flush eyes with plenty of water for 30 minutes. Call a physician immediately. Lift the upper and lower eyelid occasionally. Get immediate medical attention.

Skin contact: Immediately flush skin with plenty of running water for 30 minutes. Remove contaminated clothing and shoes. If needed, seek medical attention.

Ingestion: Do not induce vomiting. If conscious give plenty of water or milk. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

Inhalation: Remove to fresh air. Give artificial respiration if person is not breathing. Get medical attention if symptoms persist.

Exposure to Final Product (diluted): In addition to the above, follow emergency and first aid procedures for exposures to bleach.

Section 5 Fire Fighting Measures

Flash Point (method)**:** N/D (est. >200° F).

Extinguishing Media: Use appropriate extinguishing media for surrounding fire.

Unusual Fire and Explosion Hazards: None known.

Section 6 Accidental Release Measures

Personal Precautions: Wear acid resistant equipment including eye protection.

Clean Up Methods: For small spills, wipe up and dispose in DOT approved waste containers. For large spills, contain by diking with soil or other absorbent material and carefully neutralize with soda ash or lime. If soda ash is used, provide adequate ventilation to dissipate gases produced. Transfer all waste material to an appropriate container.

(See also Section 8 for information on Exposure Controls and Personal Protective Equipment)

Section 7 Handling and Storage

Handling: Keep away from heat or flame. Keep from freezing. Avoid all contact with eyes. Avoid contact with skin or clothing. Wash areas immediately after contact. Remove and launder clothing.

Storage: Keep out of reach of children. Store in a cool dry place away from incompatible materials. Keep container tightly closed when not in use.

Section 8 Exposure Controls / Personal Protection

Engineering Controls: Use local mechanical ventilation capable of maintaining emissions at the point of use below applicable occupational exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Chemical splash goggles or full-face shield

Skin Protection: Rubber gloves

Respiratory Protection: Avoid breathing in vapors or spray mists. Do not use in confined areas without proper ventilation. A respirator designed to protect against airborne mists can significantly reduce exposure in situations with the potential to generate mist in the air.

Protective Clothing: Impervious aprons boots or other equipment needed to protect the skin.

General Hygiene Practices: Always wash before performing any other function (such as eating or applying cosmetics). Launder any contaminated clothing.

Section 9 Physical Data

Appearance:	milky white liquid	**Odor:**	vinegar odor
Physical State:	Liquid	**pH:**	3.0-3.5 as supplied (9.1- 9.4 mixed with bleach)
Boiling Point:	N/D (est. ~212° F.)	**Melting Point:**	N/A
Evaporation Rate:	Slower than ether.	**Density:**	8.38 pounds/gallon

Section 10 Stability and Reactivity

Stability: Stable **Hazardous Polymerization:** Will not occur.

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

Hazardous Decomposition Products: May liberate carbon monoxide, carbon dioxide and unidentified compounds in black smoke.

Conditions to Avoid: Heat and Open Flame

Incompatibility: Strong alkalis, oxidizing or reducing materials, cyanides, sulfides, combustible materials, chromic acid, nitric acid, hydrogen peroxide, active metals, amines, oxides, and carbonates.

Section 11 Toxicological Information

Carcinocenicity: Sodium O-Phenylphenate has been identified by IARC as an animal carcinogen. Rats developed an increased incidence of bladder tumors in lifetime feeding experiments. IARC currently classifies Sodium O-Phenylphenate as a possible human carcinogen (Group 2B).

Jomax has not been tested for potential toxicity. The information contained in this MSDS is based on toxicological information provided by the manufacturers of the components and the final concentration of each of the components.

(See also Section 15 for related information)

Section 12 Ecological Information

Environmental Precautions: This product is toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters.

Section 13 Disposal Considerations

Recommended Waste Disposal Method: Dispose of contaminated product and materials used to clean up spills in a manner consistent with Federal, State, and local regulatory agencies. Dispose of all empty containers as directed on the label.

Section 14 Transportation Information

Regulated by the US DOT: No

DOT Proper Shipping Name: Cleaning Compound

UN / NA Number: N/A

Section 15 Regulatory Information

CERCLA:

The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
None	N/A	N/A

SARA Title III, section 311/312:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
None	N/A	N/A

SARA Title III, section 313:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
None	N/A	N/A

TSCA:

The components of this mixture are listed in the Toxic Substance Control Act Inventory of Chemical Substances.

This product contains the following chemicals which require export notification under section 12(b) of the TSCA regulation:

Chemical Name	CAS#	TSCA Section
Isopropanol	67-63-0	Sec. 4

Section 16 Other Information

Legend:

N/A: Not Applicable	**N/D**: Not Determined
N/E: Not Established	**N/R**: Not Required
STEL: Short Term Exposure Limit	**C**: OSHA Ceiling Value
cps: Centipoise	**mg/m^3**: milligrams per cubic meter
mppcf: million particles per cubic foot of air.	**PPM**: Parts Per Million
PPB: Parts Per Billion	**PEL**: Permissible Exposure Limit
TLV: Threshold Limit Value	**TWA**: Time Weighted Average

ACGIH: American Conference of Governmental Industrial Hygienists
CPSC: Consumer Product Safety Commission
DOT: US Department of Transportation
FHSA: Federal Hazardous Substance Act
OSHA: Occupational Safety and Health Administration (US Dept. of Labor)
RCRA: Resource Conservation and Recovery Act
SARA: Superfund Amendment and Reauthorization Act
Skin: This substance has the potential to be absorbed systemically through the skin.
TSCA: Toxic Substance Control Act

HMIS Key

4 = Severe Hazard
3 = Serious Hazard
2 = Moderate Hazard
1 = Slight Hazard
0 = Minimal Hazard

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