MAGNATAG® Visible Systems

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MATERIAL SAFETY DATA SHEET

2031 O'Neill Rd
Macedon, New York 14502
(315) 986-3033

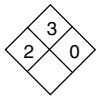
Item No.: CL-08
MSDS No.: WW0015
Effective Date: April 22, 2003

SECTION I NAME

Product	White Board Cleaner and Conditioner
Chemical Synonyms	N/A
Formula	Mixture.
Unit Size	up to 20 Lt.
C.A.S. No.	Mixture.

24 HOUR EMERGENCY ASSISTANCE

CHEMTREC
800-424-9300
Day 585-226-6177



NFPA

Health	2
Fire	3
Reactivity	1

HMIS *

HAZARD RATING

MINIMAL	SLIGHT	MODERATE	SEVERE	EXTREME
0	1	2	3	4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	TLV Units
Isopropyl Alcohol: CAS No. 67-63-0	TWA: 400 ppm STEL: 500 ppm
Water: CAS No. 7732-18-5	None established.
Pine Oil: CAS No. 8002-09-3	None established.

WARNING! FLAMMABLE! HARMFUL IF SWALLOWED. CAUSES EYE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	N/A	Specific Gravity (H_2O = 1)	0.923
Boiling Point (°F)	N/A	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (Water =1)	> 1
Vapor Density (Air=1)	> 1.0		
Solubility in Water	Complete.		
Appearance & Odor	Clear, colorless liquid; mild aromatic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	< 72°F	Flammable Limits in Air % by Volume	Lower 2.6%	Upper 12.3%
Extinguisher Media	"Alcohol foam", carbon dioxide, dry chemical, water spray.			

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Use flooding amounts of water in early stages of fire.

Autoignition Temperature: 399 °C (750°F) (ASTM-E659-78) (Pure IPA).
Cool Flame: 360°C (680°F) (ASTM-E659-78) (Pure IPA).

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 129)

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, or ignition sources at locations distant from material handling point. **CAUTION!** Flame may not be visible in daylight. Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials.

D.O.T. **Isopropyl alcohol, (solution), 3, UN1219, PG II**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

SECTION V HEALTH HAZARD DATA

WW0015

Threshold Limited Value

None established for this product. Any overexposure should be considered as resulting from the Isopropyl Alcohol. (For IPA: TWA 400 ppm STEL: 500 ppm ACGIH 2001. Human, oral LDLo: 2371 mg/kg. Rabbit, skin LD50: 16 mg/kg.)

Effects of Overexposure

INGESTION: 100 mL can be fatal. Aspiration hazard. **EYES:** Liquid may cause irritation. **SKIN:** Prolonged or repeated contact may cause irritation and drying, cracking and defatting of the skin. **INHALATION:** Exposure to high concentrations (>400 ppm) may cause eye, nose and throat irritation, headache, dizziness and excessively high concentrations may cause narcosis (drowsiness, sleepiness). Target organs: Central nervous sytem, liver, kidneys.

Emergency and First Aid Procedures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **SKIN:** Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SECTION VI REACTIVITY DATA

Stability	**Unstable**		**Conditions to Avoid**
	Stable	X	Excessive temperature, heat, sparks or flame.

Incompatibility (Materials to Avoid) Strong oxidizing materials, strong acids, strong bases.

Hazardous Decomposition Products Thermal decomposition or burning will produce carbon dioxide and/or carbon monoxide, acrid fumes.

Hazardous Polymerization		**Conditions to Avoid**
May Occur	**Will Not Occur**	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Remove all ignition sources. Provide adequate ventilation. This material is handled and disposed of as a flammable liquid. Absorb small spills on paper; evaporate in an exhaust hood; burn paper after evaporation. Prevent flow to sewers and public water ways.

Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dispose of in a chemical landfill or contract with a licensed chemical waste disposal agency.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) None should be needed in normal laboratory use at room temperature. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.

Ventilation	**Local Exhaust**	None needed.	**Special**	No.
	Mechanical (General)	None needed.	**Other**	No.

Protective Gloves	Rubber.	**Eye Protection**	Chemical safety goggles.

Other Protective Equipment Lab coat, eye wash station, fire extinguisher, safety shower, faceshield, ventilation hood.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

Keep container tightly closed when not in use.

Store in a cool place away from oxidizing materials and fire hazards. Wash thoroughly after handling.

Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Avoid contact with skin and eyes. Avoid prolonged or repeated breathing of vapors. Use with adequate ventilation. Keep away from heat, sparks and flame. Keep container tightly closed when not in use. Remove and wash contaminated clothing.

Revision No. 3	Date 11/11/05	Approved Michael Raszeja	Chemical Safety Coordinator MR

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