



Material Safety Data Sheet

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Date of Preparation
March 19, 2003

Section 1 - Product and Company Identification

PRODUCT NAME & NUMBERS

| | |
|--|---------------------------|
| MINWAX® WOOD FINISH® Stain Marker | |
| 63481 Golden Oak, 210B | 63485 Early American, 230 |
| 63482 Provincial, 211 | 63486 Cherry, 235 |
| 63483 Red Oak, 215 | 63487 Dark Walnut, 2716 |
| 63484 Red Mahogany, 225 | 63488 Pickled Oak, 260 |

HMIS CODES

| | |
|--------------|---|
| Health | 2 |
| Flammability | 2 |
| Reactivity | 0 |

MANUFACTURER'S NAME

MINWAX Company
10 Mountainview Road
Upper Saddle River, NJ 07458

EMERGENCY TELEPHONE NO.

(216) 566-2917
INFORMATION TELEPHONE NO.
(800) 523-9299

Section 2 - Composition/Information on Ingredients

| % WT. | CAS No. | Ingredient Name | Vapor Pressure |
|-------|------------|---|----------------|
| 52-55 | 64742-88-7 | Mineral Spirits | |
| | | ACGIH TLV 100 ppm | 2 mm |
| | | OSHA PEL 100 ppm | |
| 4-5 | 64741-65-7 | Mineral Spirits (Odorless) | |
| | | ACGIH TLV 100 ppm | 1 mm |
| | | OSHA PEL 100 ppm | |
| 6-9 | 64742-52-5 | Heavy Naphthenic Petroleum Oil | |
| | | ACGIH TLV 5 mg/m3 as Mist | |
| | | OSHA PEL 5 mg/m3 as Mist | |
| 6-9 | 64742-53-6 | Highly refined Naphthenic Oil | |
| | | ACGIH TLV 5 mg/m3 as Mist | |
| | | OSHA PEL 5 mg/m3 as Mist | |
| 4 | 13463-67-7 | Titanium Dioxide (63488-Pickled Oak, 260 only) | |
| | | ACGIH TLV 10 mg/m3 as Dust | |
| | | OSHA PEL 10 mg/m3 Total Dust | |
| | | OSHA PEL 5 mg/m3 Respirable Fraction | |

Section 3 - Hazards Identification

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For Complete Discussion of Toxicology Data Refer to Section 11.

Section 4 – First Aid Measures

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and laundry before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

If SWALLOWED: Do not induce vomiting. Get medical attention immediately.

Section 5 – Fire Fighting Measures

| | | |
|-----------------|-----|-----|
| FLASH POINT | LEL | UEL |
| 104-110 °F PMCC | 1.0 | 7.0 |

FLAMMABILITY CLASSIFICATION - Combustible, Flash above 99 and below 200 °F

EXTINGUISHING MEDIA - Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 6 – Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

Section 7 – Handling and Storage

STORAGE CATEGORY - DOL Storage Class II

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are COMBUSTIBLE. Keep away from heat and open flame. Consult NFPA Code. Use approved Bonding and Grounding procedures. Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

To minimize the possibility of spontaneous combustion: control the accumulation of overspray; soak wiping rags and waste immediately after use in a water-filled, closed metal container; air dry filters outside, far from any combustible material and separated by bricks or other non-combustible spacers; dispose of all contaminated materials and waste properly. Consult OSHA 29 CFR 1910.107(b)(5) and NFPA 33, Chapter 8 (8-9) for the proper procedures.

Section 8 – Exposure Controls/Personal Protection

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m³ (total dust), 3 mg./m³ (respirable fraction), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).

Section 8 – Exposure Controls/Personal Protection (continued)

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 9 – Physical and Chemical Properties

| | | | |
|--|--------------------------------|---------------------|-------------------|
| PRODUCT WEIGHT | 6.99-7.27 lb/gal | EVAPORATION RATE | Slower than Ether |
| SPECIFIC GRAVITY | 0.84-0.87 | VAPOR DENSITY | Heavier than Air |
| BOILING POINT | 300-412 °F | MELTING POINT | Not Available |
| VOLATILE VOLUME | 64-66 % | SOLUBILITY IN WATER | Not Available |
| VOLATILE ORGANIC COMPOUNDS (VOC Theoretical) | | | |
| 4.1-4.2 lb/gal | Less Federally Exempt Solvents | | |
| 4.1-4.2 lb/gal | Emitted VOC | | |

Section 10 – Stability and Reactivity

STABILITY - Stable

CONDITIONS TO AVOID - None known.

INCOMPATIBILITY - None known.

HAZARDOUS DECOMPOSITION PRODUCTS - By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION - Will not occur

Section 11 – Toxicological Information

CHRONIC HEALTH HAZARDS

No ingredient in these products is an IARC, NTP or OSHA listed carcinogen.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.

Rats exposed to titanium dioxide dust at 250 mg./m³ developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section 11 – Toxicological Information (continued)

TOXICOLOGY DATA

| CAS No. | Ingredient Name | | |
|-------------------|---------------------------------------|-----|---------------|
| 64742-88-7 | Mineral Spirits | | |
| | LC50 | RAT | 4HR |
| | | | Not Available |
| | LD50 | RAT | |
| | | | Not Available |
| 64741-65-7 | Mineral Spirits (Odorless) | | |
| | LC50 | RAT | 4HR |
| | | | Not Available |
| | LD50 | RAT | |
| | | | Not Available |
| 64742-52-5 | Heavy Naphthenic Petroleum Oil | | |
| | LC50 | RAT | 4HR |
| | | | Not Available |
| | LD50 | RAT | |
| | | | Not Available |
| 64742-53-6 | Highly refined Naphthenic Oil | | |
| | LC50 | RAT | 4HR |
| | | | Not Available |
| | LD50 | RAT | |
| | | | Not Available |
| 13463-67-7 | Titanium Dioxide | | |
| | LC50 | RAT | 4HR |
| | | | Not Available |
| | LD50 | RAT | |
| | | | Not Available |

Section 12 – Ecological Information

ECOTOXICOLOGICAL INFORMATION

No data available.

Section 13 – Disposal Considerations

WASTE DISPOSAL METHOD

Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

Section 14 – Transport Information

No data available.

Section 15 – Regulatory Information

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

No ingredients in these products are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

CALIFORNIA PROPOSITION 65

WARNING: These products contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 – Other Information

*CANADIAN DISTRIBUTOR: Consumer Brands Canada Inc.
200 Confederation Parkway
Vaughn, ON L4K 4T8*

NOTE: These products have been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.