

NEW MSDS

ITEM NUMBER 237502

DESCRIPTION SPAR POLYURETHANE

VENDOR ITEM # _____

VENDOR NAME MINWAX

DATE 7-29-98

MATERIAL SAFETY DATA SHEET

MINWAX® FAST-DRYING POLYURETHANE-ALL SHEENS (NATIONAL FORMULAS) Page 1 of 9

This Material Safety Data Sheet (MSDS) contains toxicology, industrial hygiene, and environmental information for your employees. Please make sure they are provided with this information. It also contains information to assist with meeting community right-to-know and emergency response reporting requirements under SARA Title III and other laws. If you resell this product, provide the buyer with this MSDS or incorporate this information into a new MSDS. Disregard any previous edition of this MSDS. This MSDS was prepared according to the OSHA Hazard Communication Standard (29 CFR §1910.1200) and the ANSI MSDS Standard (ANSI Z400.1) by HAZARD INFORMATION SERVICES™, 8100 34th Ave. South, P.O. Box 1309, Mpls, MN 55440-1309.

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: MINWAX® FAST-DRYING POLYURETHANE-ALL SHEENS (NATIONAL FORMULAS)
Sheens: Gloss; Semi-Gloss; Satin
FORMULA NUMBER: M060813; M060814; M060815

RESPONSIBLE PARTY: The Thompson-Minwax Company
 MINWAX COMPANY Division
 10 Mountainview Road
 Upper Saddle River, NJ 07458-1934
 U.S.A.

TELEPHONE NUMBERS:

PRODUCT INFORMATION (8-7 CT): The Thompson-Minwax Consumer Helpline
 1-800-323-9299

MEDICAL EMERGENCIES (24 HR): HAZARD INFORMATION SERVICES™
 1-800-228-5635 EXT-218
 (612) 221-3999 EXT-218

TRANSPORTATION EMERGENCY (24 HR): CHEMTREC
 1-800-424-9300

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Name (CAS#)	%	Exposure Limits	References
Petroleum Diluents (8052-41-3; 64742-88-7)	55 - 65	100 ppm TLV-TWA 500 ppm PEL-TWA (as Standard Solvent)	ACGIH 95-96 OSHA 89

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE AND ODOR: Amber liquid with petroleum solvent odor

STATEMENT OF HAZARD: WARNING!

ACUTE HAZARDS

- Skin irritant
- Combustible

CHRONIC HAZARDS

- Possible neurological effects

NFPA RATING: Health - 2 Flammability - 1 Reactivity - 0 Special - NDA
HMIS RATING: Health - 2 Flammability - 1 Reactivity - 0 Protective Equipment - B

NFPA and HMIS ratings are assigned by HAZARD INFORMATION SERVICES™ based on criteria published by the National Fire Protection Association and the National Paint & Coatings Association respectively, and should only be interpreted by persons trained in these rating systems.

1993 DOT Emergency Response Guide Book: 27

ROUTES OF ENTRY

- Eye contact
- Skin contact
- Ingestion
- Inhalation

POTENTIAL HEALTH EFFECTS

ACUTE EFFECTS

- Local Effects (eyes, skin, nose, throat, stomach, etc...)
- Skin irritant
 - Ingestion may cause nausea, vomiting and diarrhea

Systemic Effects

- No adverse effects are expected

SUB-CHRONIC EFFECTS

- Inhalation of high concentrations may cause central nervous system depression

NON-CARCINOGENIC CHRONIC EFFECTS

- Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Autoignition Temperature: NDA

REPRODUCTIVE OR DEVELOPMENTAL EFFECTS

- This product conforms to California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

CANCER

- This product conforms to 29 CFR §1910.1200(g)(2)(vii)
- This product conforms to California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
- This product contains petroleum solvents, which, as a class, IARC has determined to be not classifiable as to their carcinogenicity in humans based on inadequate evidence of carcinogenicity in both human and experimental animals (IARC Group 3)

POSSIBLE TARGET ORGANS

- Central nervous system

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

- Neurological disorders

SECTION 4: FIRST AID

For Assistance With Medical Emergencies Contact Hazard Information Services™

At 1-800-228-5635 Ext. 218 Or (612)221-3999 Ext. 218, 24 Hours-A-Day

EYE CONTACT

- Immediately flush with plenty of water
- Remove contact lenses and continue flushing for at least 15 minutes
- Seek medical attention if irritation develops and persists

SKIN CONTACT

- Remove contaminated clothing
- Flush affected area with water, then wash thoroughly with mild soap and water
- Seek medical attention if irritation develops and persists

INGESTION

- Wipe out mouth and call physician or poison control center
- Contact physician or poison control center

INHALATION

- Remove to fresh air immediately
- Seek medical attention if breathing difficulty develops

NOTES TO PHYSICIANS

- Contact HAZARD INFORMATION SERVICES™ for assistance with the management of exposures to this product

SECTION 5: FIRE FIGHTING MEASURES

Flash point and Method: > 101° F (> 38° C) SETA Closed Cup

Flammable Limits: LEL: 0.5%; UEL: 6.0%

GENERAL HAZARD

- Keep away from sparks, heat, and open flame

EXTINGUISHING MEDIA

- Use water fog, alcohol foam, carbon dioxide, or dry chemical

FIRE FIGHTING INSTRUCTIONS

- Wear appropriate protective clothing
- Use self-contained breathing apparatus

HAZARDOUS COMBUSTION PRODUCTS

- Carbon monoxide
- Carbon dioxide

SENSITIVITY OF EXPLOSION BY MECHANICAL CONTACT

- NDA

SENSITIVITY OF EXPLOSION BY STATIC DISCHARGE

- NDA

SECTION 6: ACCIDENTAL RELEASE MEASURES

For Assistance With Accidental Releases Contact Hazard Information Services™

At 1-800-228-5635 Ext. 218 Or (612)221-3999 Ext. 218, 24 Hours-A-Day

GENERAL

- For single unit, extinguish or remove all ignition sources, absorb liquid with suitable material, and place in a container for disposal.
- For multiple items, do not attempt to clean up chemical spills without appropriate personal protective equipment (see section 8)
- Extinguish or remove all ignition sources
- Collect spilled product and transfer to sealable container for reuse or disposal
- Rinse area and collect water for disposal
- Keep waste out of sewers, watersheds, and waterways
- See section 13 for information on the disposal of recovered material

REPORTABLE QUANTITY (RQ)

- None

SECTION 7: HANDLING AND STORAGE

Storage Temperature • Ambient

Storage Pressure • Atmospheric

GENERAL

- Store away from incompatible materials (see section 10)
- Use with proper personal protective equipment (see section 8)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Amber
Odor: Petroleum solvent

Vapor Pressure: 2 mmHg @ 68° F (20°C)
> 1
Vapor Density (air = 1): < 1
Evaporation Rate (n-butyl acetate = 1): 37.96 - 44.34
Percent Non-Volatile By Weight: 485.4 - 533.9 grams/L
VOC (less water):

Freezing Point: NDA
Melting Point: NA
Boiling Point: 318° F (159° C)
Viscosity: 45 - 70 cps

Specific Gravity: 0.861 - 0.873
Bulk Density: 7.180 - 7.280 lbs/gal
Solubility in Water: Insoluble
pH: NA

SECTION 10: STABILITY AND REACTIVITY

GENERAL

- This product will not polymerize

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID

- Strong oxidizing agents
- Do not mix with other materials unless specified on the label

HAZARDOUS DECOMPOSITION PRODUCTS

- Carbon monoxide
- Carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

This section provides relevant information with regard to any toxicity studies performed on the product, or the "pure" form of the component(s). This information can be subject to misinterpretation. Therefore, it is essential that the following information be interpreted by individuals trained in its evaluation. For assistance with interpreting this information, contact HAZARD INFORMATION SERVICES™ at 1-800-228-5635 Ext 218 or (612)221-3999 Ext 218, 24 hours-a-day.

PRODUCT BASED

- NDA

- Empty containers may retain hazardous properties; follow all MSDS/label warnings even after container is emptied
- Do not reuse empty container for food, clothing, or products for human or animal consumption
- Keep this and all chemicals out of reach of children

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

- Assure that ventilation is adequate
- Do not use in enclosed spaces where adequate ventilation can't be maintained

PERSONAL PROTECTION

FOR PROLONGED OR REPEATED USE IN A WORKPLACE SETTING

RESPIRATOR

- No respiratory protection is required if ventilation is adequate

EYE PROTECTION

- Use of safety glasses is recommended

PROTECTIVE CLOTHING

- Use of protective gloves is recommended

FOR CLEANING UP SPILLS INVOLVING MULTIPLE UNITS

RESPIRATOR

- If ventilation is adequate, no respiratory protection is necessary
- If respiratory protection is determined to be necessary, seek professional advice prior to respirator selection and use
- Follow OSHA respirator regulations (29 CFR §1910.134)
- If there is a potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection, use a positive pressure air supplied respirator

EYE PROTECTION

- Safety goggles must be worn

PROTECTIVE CLOTHING

- Protective gloves must be worn

SAFETY EQUIPMENT

- None

GENERAL

- Use good personal and industrial hygiene practices
- Wash thoroughly after using product
- Keep product off of clothing and equipment
- Launder contaminated clothing before re-use
- Do not eat, drink, or smoke in any work area
- It is always good industrial hygiene practice to limit, to the extent feasible, skin and eye contact and inhalation of chemical products

MINWAX COMPANY Division

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INGREDIENT BASED

• Skin and eye contact with petroleum distillates (CAS# 8052-41-3, 64742-88-7) is expected to cause minimal, reversible irritation with redness and swelling. Inhalation of very high distillate vapors may cause irritation to nose and throat and nausea. Inhalation of very high concentrations may cause central nervous system depression including drowsiness, headache, confusion, dizziness and incoordination. Generally, small ingestions of petroleum distillates are non-toxic producing only minimal gastrointestinal irritation including nausea, and diarrhea. Aspiration of petroleum distillates into the lungs may, however, cause chemical pneumonitis, a potentially fatal condition which is initially characterized by coughing, choking, difficulty breathing, pulmonary edema and hemorrhage. There are no available data indicating petroleum distillates as a carcinogen or reproductive or developmental toxicant. IARC has determined petroleum solvents, as a class, to be not classifiable as to their carcinogenicity in humans based on inadequate evidence of carcinogenicity in both humans and experimental animals (IARC Group 3).

SECTION 12: ECOLOGICAL INFORMATION

NDA

SECTION 13: DISPOSAL INFORMATION

GENERAL

- Consult a local expert for advice on the disposal of this material
• Characteristics of recovered material may differ from those of original material
• Ensure that disposal is in compliance with local, state, and federal regulations

SECTION 14: TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Pains, Stains or Varnishes, NOI

IATA PROPER SHIPPING NAME: Painl, Flammable Liquid, UN1963, III

SECTION 15: REGULATORY INFORMATION

Chemical Inventories

- All components of this product are included on the TSCA inventory list, the DSL/NDL, and the EINECS

Reportable Quantities (RQ)

- None

SARA TITLE III (Superfund Amendments and Reauthorization Act)

§302 Extremely Hazardous Materials

- None

§304 Notification Of Accidental Release

- None

IC# : V3059000

Issue Date: 09-13-96

NDA = No Data Available

MSDS Number: 218-00175

NA = Not Applicable

§311/1312 Hazard Categories

Immediate (Acute) Health Effects: YES
Delayed (Chronic) Health Effects: YES
Fire Hazard: YES
Sudden Release of Pressure Hazard: NO
Reactivity Hazard: NO

§313 Toxic Chemical Release Reporting

- None

STATE REGULATORY INFORMATION:

- Since each state has the authority to promulgate standards more stringent than the federal government, this section cannot provide an inclusive list of all state regulations which apply to this product. Questions related to state regulations should be directed toward local officials.

SECTION 16: OTHER INFORMATION

ABBREVIATIONS

ACGHI... American Conference of Governmental Industrial Hygienists
AIHA... American Industrial Hygiene Association
CAS#... Chemical Abstracts Service
DOT... Department Of Transportation
DSL... Domestic Substance List
EINECS... European Inventory of Existing Chemical Substances
IARC... International Agency for Research on Cancer
IATA... International Air Transport Association
IMO... International Maritime Organization
LEL... Lower Explosion Limit
MSDS... Material Safety Data Sheet
NDSL... Non-Domestic Substance List
NTP... National Toxicology Program
OSHA... Occupational Safety and Health Administration
PEL... Permissible Exposure Limit
RTECS... Registry of Toxic Effects of Chemical Substances
STEL... Short Term Exposure Limit
TD... Total Dust
TERIS... Teratogen Information System
TLV... Threshold Limit Value
TSCA... Toxic Substances Control Act
TWA... Time-Weighted Average
UEL... Upper Explosion Limit
WEEL... Workplace Environmental Exposure Level

IC# : V3059000

Issue Date: 09-13-96

NA = No Data Available

MSDS Number: 218-00179

NA = Not Applicable

REVISION SUMMARY

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MINWAX®
MATERIAL SAFETY DATA SHEET
ADDENDUM
NEW JERSEY RIGHT TO KNOW

The following information is provided to assist employers in the State of New Jersey to label products in the workplace in accordance with the Worker and Community Right to Know Act (N.J.A.C.8:59).

PRODUCT: MINWAX® FAST-DRYING POLYURETHANE

FORMULAS:
GLOSS M060813
SEMI-GLOSS M060814
SATIN M060815

INGREDIENTS:

NAME	CAS#	FORMULA NUMBER		
		M060813	M060814	M060815
Proprietary Oil Modified Polyurethane	00457800-5023P**	X		
Stoddard Solvent	8052-41-3	X	X	X
Solvent Naphtha (Petroleum), Medium Aliphatic	64742-88-7	X	X	X
Hexanoic Acid, 2-Ethyl-, Zirconium Salt	22464-99-9	X	X	
Methyl Ethyl Ketoxime	96-29-7	X		
Proprietary Linseed Oil Modified Polyurethane	00457000-5090P**		X	X
Bentonite, Quaternary Ammonium Compounds, Bis (Hydrogenated Tallow ...	68911-87-5		X	X
Amorphous Silica	112926-00-8			X

**New Jersey Right to Know Trade Secret Number
X above indicates the presence of the ingredient.