MSDS

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED):	**HOMAX TOUGH AS TILE, AEROSOL**
PRODUCT CODES:	2105, 2165, 720771
PRODUCT USE:	Refinishing Paint
SUPPLIER/MANUFACTURER'S NAME:	**HOMAX PRODUCTS, INC.**
ADDRESS:	1835 Barkley Blvd. Suite 101 Bellingham, WA 98226
CHEMTREC EMERGENCY NO.:	1-800-424-9300 (United States) 1-703-527-3887 (International Collect)
BUSINESS PHONE:	1-800-729-9029
DATE OF PREPARATION:	March 28, 2013

This product is sold to consumers for household use in containers of relatively small volume (i.e. 5 gallon or less in size). This MSDS has been developed to address safety concerns affecting those individuals working in warehouses and other places where large numbers of these containers are stored, as well as those affecting potential users of this product in industrial /occupational settings. All pertinent health, safety and environmental information have been presented in this document, per the requirements of the US Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian WHMIS.

2. COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	% w/w	EXPOSURE LIMITS IN AIR						
			ACGIH-TLV		OSHA-PEL		NIOSH-REL		
			TWA	STEL	TWA	STEL	TWA	STEL	IDLH
			mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	mg/m^3	ppm
Titanium dioxide	13463-67-7	10 – 20	10	NE	15 **	NE	NE	NE	NE
Acetone	67-64-1	10 – 20	500 ppm	750 ppm	1000 ppm	NE	250 ppm	NE	2500 ppm
Xylenes (mixed)	1330-20-7	10 – 20	100 ppm	150 ppm	100 ppm	NE	100 ppm REL	150 ppm	900 ppm
Methyl ethyl ketone	78-93-3	1 – 5	590	885	590	NE	590	NE	3000 ppm
n-Butyl acetate	123-86-4	1 – 5	713	950	710	NE	710	950	
VM&P Naphtha	64742-89-8	1 – 5	1370	NE	NE	NE	350	1800C 15 min.	NE
n-Butyl alcohol	71-36-3	1 – 5	61	NE	300	NE	NE	150C	
Dimethyl ether	115-10-6	30 - 40	NE	NE	NE	NE	NE	NE	NE
Water and ingredients present in concentrations of less than 1% (or less than 0.1% if carcinogens)		Balance	The ingredients in the balance of this product do not contribute significant hazards beyond those described in this document. All pertinent health, safety and environmental information has been presented, per the requirements of the US Federal OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canadian WHMIS.						

NE = Not Established; * = respirable dust; ** = total dust. See Section 16 for Definitions of Terms Used.

NOTE (1): ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

PHYISCAL DESCRIPTION: This product is a white liquid aerosol with a hydrocarbon odor.

HEALTH HAZARD: This product can cause irritation to the eyes or skin. This product is harmful if swallowed or inhaled. If vapors, mists or particulates of this product are inhaled, irritation of the nose or throat could occur.
FIRE HAZARD: This product is an extremely flammable aerosol. Vapor can cause flash fire.

REACTIVITY HAZARD: This product is stable under ordinary conditions of use and storage.

ENVIRONMENTAL HAZARD: This product can pose an acute aquatic toxicity if released into the environment in sufficient quantity.

SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:

The most significant routes of occupational overexposure are inhalation and contact with skin and eyes. The symptoms of overexposure to this product are as follows:

INHALATION: Vapors, mists, sprays, or dusts of this product can cause irritation to the respiratory tract. High concentrations of this product can cause central nervous system depression characterized by headache, nausea, dizziness, confusion, unconsciousness, coma, and death. Overexposure to this product can cause liver, kidney and blood disorders.
CONTACT WITH SKIN or EYES: Contact can cause eye irritation. Prolonged eye exposure may include redness, pain, and tearing. If this product contaminates the eyes, irreversible eye injury can occur. Skin contact can result in redness, pain, ulceration and scarring.
SKIN ABSORPTION: No component of this product is known to penetrate the skin in toxicologically significant quantities.

INGESTION: If this product is swallowed, irritation to the mouth, throat, and other tissues of the gastro-intestinal system can occur. Ingestion of this product can cause liver, kidney and blood disorders, or central nervous system effects. Ingestion of large amounts can cause irritation, pain, vomiting, and diarrhea. If vomiting results in aspiration, chemical pneumonia could follow.

Hazardous Materials Identification System (HMIS)

Health	**2**
Flammability	**4**
Physical Hazard	**1**
Protective Equipment	**B**

See Section 16 for Definition of Ratings

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in **Lay Terms**.

ACUTE: Depending on the duration of contact, overexposures can irritate the eyes, skin, mucous membranes, and other exposed tissue. Inhalation overexposure can result in central nervous system depression, dizziness, fatigue, vomiting, and headaches.

CHRONIC: Long-term skin or eye contact can result in dermatitis or eye irritation. Over exposure could cause adverse effects to liver, kidney and central nervous system.

TARGET ORGANS: Acute: Skin, eyes, lungs, central nervous system. Chronic: Skin, eyes, liver, kidneys, blood and blood-forming organs.

4. FIRST-AID MEASURES

Victims of chemical exposure must be taken for medical attention if any adverse effects occur. Take a copy of label and MSDS to physician or health professional with victim.

SKIN EXPOSURE: If this product contaminates the skin, immediately begin decontamination with running water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victim must seek immediate medical attention if any adverse exposure symptoms develop.

EYE EXPOSURE: If this product enters the eyes, open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Victim must seek medical attention.

INHALATION: If vapors, mists, or sprays of this product are inhaled, remove victim to fresh air. Victim must seek immediate medical attention if any adverse exposure symptoms develop. If necessary, use artificial respiration to support vital functions.

INGESTION: If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING, unless directed by medical personnel. Have victim rinse mouth with water, if conscious. Never induce vomiting or give a diluent (e.g., water) to someone who is unconscious, having convulsions, or unable to swallow. If contaminated individual is convulsing, maintain an open airway and obtain immediate medical attention.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders, eye problems, impaired liver, kidney, respiratory or lymphoid system function can be more susceptible to health effects associated with overexposures to this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT (propellant & solvents): -42^{0}F (-41.1^{0}C) (Setaflash closed cup)

AUTOIGNITION TEMPERATURE: 662^{o}F (350^{o}C).

FLAMMABLE LIMITS (in air by volume, %):

Lower: 3.4 %
Upper: 27 %

FIRE EXTINGUISHING MATERIALS: Use extinguishing material suitable to the surrounding fire.

Water Spray: OK.	Carbon Dioxide: OK
Foam: OK	Dry Chemical: OK
Halon: OK	Other: Any "ABC" Class.

UNUSUAL FIRE AND EXPLOSION HAZARDS: When involved in a fire, this material may decompose generating dusts, irritating fumes and toxic gases (e.g., Carbon monoxide, Carbon dioxide, and oxides of Nitrogen).

Explosion Sensitivity to Mechanical Impact: Not sensitive under normal conditions.
Explosion Sensitivity to Static Discharge: Not sensitive under normal conditions.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Move containers from fire area if it can be done without risk to personnel. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas. Isolate from incompatible chemicals (see Section 10, Stability and Reactivity), heat, sparks, electrical equipment, and open flame.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Proper protective equipment should be used. In case of a spill, clear the affected area and protect people.

RESPONSE TO INCIDENTAL RELEASES: Respond to incidental chemical releases by wearing gloves, goggles, and appropriate body protection.

RESPONSE EQUIPMENT AND PROCEDURES: Absorb spilled liquid with polypads or other suitable absorbent materials. Decontaminate the area thoroughly. Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater. Place all spill residues in a suitable container and seal. Dispose of in accordance with applicable U.S. Federal, State, or local procedures or appropriate standards of Canada (see Section 13, Disposal Considerations).

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after using this product. Do not eat or drink while using this material. Avoid generating dusts, mists or sprays of this product. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials (see Section 10, Stability and Reactivity). Keep container tightly closed when not in use. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Control possible sources of ignition.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures).

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided in Section 2 (Composition and Information on Ingredients).

RESPIRATORY PROTECTION: None needed under normal conditions of use. Use NIOSH approved respirators if ventilation is inadequate to control dusts, mists, fumes or vapors. Maintain airborne contaminate concentrations below guidelines listed in Section 2 (Composition and Information on Ingredients).

EYE PROTECTION: For consumer use, wearing eye protection (such as splash goggles) is advisable.

HAND PROTECTION: For consumer use, wearing protective gloves is recommended.

BODY PROTECTION: For consumer use, no specific body protection is normally needed.

HMIS PERSONAL PROTECTIVE EQUIPMENT RATING: Industrial Use situations: B; Safety glasses and gloves.

9. PHYSICAL and CHEMICAL PROPERTIES

RELATIVE VAPOR DENSITY (air = 1): > 1 EVAPORATION RATE (BuAc =1): < 1

SPECIFIC GRAVITY: 0.85 (solvent) MELTING/FREEZING POINT: Not available.

SOLUBILITY IN WATER: Negligible.

BOILING POINT: -221^{0}F (-141.5^{0}C) (Dimethyl ether)

VAPOR PRESSURE, mm Hg @ 20°C: Not available.

pH: Not applicable.

ODOR THRESHOLD: Not available.

COEFFICIENT OF OIL/WATER DISTRIBUTION (PARTITION COEFFICIENT): Not available.

Weight % V.O.C.: 56.3%.

APPEARANCE, ODOR AND COLOR: This product is a white liquid aerosol with a hydrocarbon odor.

HOW TO DETECT THIS SUBSTANCE (warning properties): The appearance and odor of this product may act as warning properties in the event of an accidental release.

10. STABILITY and REACTIVITY

STABILITY: Stable under normal circumstances of use and handling.

DECOMPOSITION PRODUCTS: Thermal decomposition of this product may generate dusts, irritating fumes, and toxic gases (e.g., Carbon monoxide, Carbon dioxide, and oxides of Nitrogen).

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: This product is not compatible with strong bases, strong acids, and powerful oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid contact with incompatible chemicals.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA: There are currently no toxicity data available for this product; the following toxicology information is available for components greater than 1% in concentration.

The following data are available for Acetone:

Oral-Rat LD50:5800 mg/kg

The following data are available for VM & P Naphtha:

Inhalation-Rat LC50:3400 ppm/4H

The following data are available for n-Butyl acetate:

Oral rat LD_{50}: 10,800 mg/kg;

Inhalation rat LC_{50}: 390 ppm/4H

The following data are available for Butyl alcohol:

Oral rat LD_{50}: 790 mg/kg;

Inhalation rat LC_{50}: 8000 ppm/4H;

The following data are available for Xylenes:

Oral-Rat LD50:4300 mg/kg

Inhalation-Rat LC50:5000 ppm/4H

The following data are available for Methyl ethyl ketone:

Oral-Rat LD50:2737 mg/kg

The following data are available for Dimethyl ether:

Inhalation-Rat LC_{50}: 308 g/m3

SUSPECTED CANCER AGENT: The following table summarizes the carcinogenicity listing for the components of this product. "NO" indicates that the substance is not considered to be, or suspected to be, a carcinogen by the listed agency.

CHEMICAL	IARC	NTP	NIOSH	OSHA	ACGIH	PROP 65
Titanium dioxide	2B	NO	Ca	NO	A4	NO
Acetone	NO	NO	NO	NO	A4	NO

Xylenes (mixed)	3	NO	NO	NO	A4	NO
Methyl ethyl ketone	NO	NO	NO	NO	NO	NO
n-Butyl acetate	NO	NO	NO	NO	NO	NO
VM&P Naphtha	NO	NO	NO	NO	NO	NO
n-Butyl alcohol	NO	NO	NO	NO	NO	NO
Dimethyl ether	NO	NO	NO	NO	NO	NO

IRRITANCY OF PRODUCT: This product can be irritating to contaminated tissue. Prolonged exposure can lead to tissue damage.

SENSITIZATION TO THE PRODUCT: No component of this product is known to cause sensitization.

TOXICOLOGICAL SYNERGISTIC PRODUCTS: None known.

REPRODUCTIVE TOXICITY INFORMATION: Listed below is information concerning the effects of this product and its components on the human reproductive system.

Mutagenicity: When used as directed, this product is not expected to produce mutagenic effects in humans.
Embryotoxicity: When used as directed, this product is not expected to produce embryotoxic effects in humans.
Teratogenicity: When used as directed, this product is not expected to produce teratogenic effects in humans.
Reproductive Toxicity: When used as directed, this product is not expected to produce reproductive toxicity in humans.

12. ECOLOGICAL INFORMATION

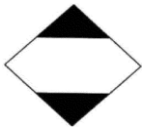
There is no environmental data for any component of this product at this time.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: **Consumer Waste:** Dispose of according to pertinent state and local household waste and requirements**.**

14. TRANSPORTATION INFORMATION

Ground Transport: Limited Quantity
Label:



Air Transport: Not evaluated.
Ocean Transport: Not evaluated

15. REGULATORY INFORMATION

ADDITIONAL U.S. REGULATIONS:

EPA REPORTING REQUIREMENTS: The following reporting requirements are applicable to components of this product:

CHEMICAL	SECTION 302 (40 CFR 355, Appendix A)	SECTION 304 (40 CFR Table 302.4)	SECTION 313 (40 CFR 372.65)
Titanium dioxide	NO	NO	NO
Acetone	NO	5000 lbs RQ	NO
Xylenes (mixed)	NO	100 lbs RQ	NO
Methyl ethyl ketone	NO	5000 lbs RQ	NO
n-Butyl acetate	NO	5000 lbs RQ	NO
VM&P Naphtha	NO	NO	NO
n-Butyl alcohol	NO	5000 lbs RQ	NO
Dimethyl ether	NO	NO	NO

U.S. SARA SECTION 311/312 FOR PRODUCT: Acute health effects; chronic health effects; flammable.
U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory.

OTHER U.S. FEDERAL REGULATIONS: Not applicable.
CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does not contain any chemicals listed on Proposition 65.

LABELING: GHS compliant

DANGER! EXTREMELY FLAMMABLE AEROSOL AND VAPOR. TOXIC IF SWALLOWED. HARMFUL TO AQUATIC LIFE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. CONTENTS UNDER PRESSURE. MAY EXPLODE IF HEATED.

ADDITIONAL CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are listed on the DSL Inventory.

CANADIAN WHMIS SYMBOLS:

A - Compressed gas
B2 - Flammable and combustible material - Flammable liquid
D2A - Poisonous and infectious material – Other effects – Very Toxic
D2B - Poisonous and infectious material – Other effects – Toxic

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

DISCLAIMER: THIS INFORMATION IS PROVIDED IN GOOD FAITH BUT WITHOUT EXPRESS OR IMPLIED WARRANTY. BUYER ASSUMES ALL RESPONSIBILITY FOR SAFETY AND USE NOT IN ACCORDANCE WITH LABEL INSTRUCTIONS. JUDGEMENTS AS TO THE SUITABILITY OF INFORMATION HEREIN FOR THE INDIVIDUAL'S OWN USE OR PURPOSES ARE NECESSARILY THE INDIVIDUAL'S OWN RESPONSIBILITY. ALTHOUGH REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF SUCH INFORMATION, AS MANUFACTURER OR DISTRIBUTOR, WE EXTEND NO WARRANTIES, MAKE NO REPRESENTATIONS, AND ASSUME NO RESPONSIBILITY AS TO THE ACCURACY OR SUITABILITY OF SUCH INFORMATION FOR APPLICATION TO THE INDIVIDUAL'S PURPOSES OR THE CONSEQUENCES OF ITS USE