PREMIER FINISHES INC.

Safety Data Sheet
TuffKote Acrylic Int./Ext. Stain Block Primer

SECTION 1: Identification

Product identifier

Product name	TuffKote Acrylic Int./Ext. Stain Block Primer
Product number	10-872
Brand	TuffKote

Recommended use of the chemical and restrictions on use
Stain blocking primer/basecoat (paint or paint-related) for wood species containing high tannin content for interior or exterior application.

Supplier's details

Name	Premier Finishes Inc.
Address	PO Box 3146 Oregon City , OR 97045 USA
Telephone	503-241-2770
Fax	503-912-1439
email	office@premierfinishes.net

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

GHS label elements, including precautionary statements

Pictogram

1. Exclamation mark

Signal word **Warning**

Hazard statement(s)

H317	May cause an allergic skin reaction
H303	May be harmful if swallowed
H333	May be harmful if inhaled

Precautionary statement(s)

P280	Wear protective gloves/protective clothing/eye protection/face protection.

P501	Dispose of contents/container to an approved waste disposal plant.
P102	Keep out of reach of children.
P103	Read label before use.

SECTION 3: Composition/information on ingredients

Mixtures

Any concentration shown as a range is to protect confidentiality or due to batch variation.

Hazardous components

1. MONOETHANOLAMINE 85% & 99%

Concentration	0.11 - 1%
EC no.	205-483-3
CAS no.	141-43-5
Index no.	603-030-00-8

- Acute toxicity (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Flammable liquids (chapter 2.6), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 1
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 2
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3

H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

2. Propylene Glycol

Concentration	1.– 5 %
CAS no.	57-55-6

3. Poly(oxy-1,2-ethanediyl), alpha-(phenylmethyl)-omega-[(1,1,3,3-tetramethylbutyl)phenoxy]-

Concentration	0.1 - 1 %
EC no.	612-049-0
CAS no.	60864-33-7

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3

H302	Harmful if swallowed
H412	Harmful to aquatic life with long lasting effects

4. TITANIUM DIOXIDE

Concentration	15 - 20%
CAS no.	13463-67-7

5. 2,2,4-Trimethyl-1,3-pentanediol monoisobutyrate

Concentration	1 -4 %
EC no.	246-771-9
CAS no.	25265-77-4

Trade secret statement (OSHA 1910.1200(i))
See OSHA 1910.1200(i)

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	If inhaled: Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain, nausea, dizziness, breathing difficulty, headaches, and loss of coordination. Effects from vapors or spray mists in poorly ventilated areas may include irritation of the mucus membranes.
In case of skin contact	If on skin: Wash with plenty of soap and water for at least 15 minutes. Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause skin irritation or sensitivity. Signs/symptoms may include localized redness, cracks, swelling, itching, and dermatitis.
In case of eye contact	If in eyes: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	If swallowed: Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Most important symptoms/effects, acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

SECTION 5: Fire-fighting measures

Suitable extinguishing media
Foam, alcohol foam, CO2, dry chemical, water fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical
Closed containers may rupture if exposed to fire or extreme heat due to buildup of steam pressure.

Special protective actions for fire-fighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water spray may be used to cool closed containers to prevent pressure build-up and possible rupture of containers.

Further information
Avoid contact with strong alkalis', strong mineral acids or strong oxidizing agents.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Environmental precautions
Keep out of drains, sewers, ditches, and waterways.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

SECTION 7: Handling and storage

Precautions for safe handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities
Keep container tightly closed. Keep out of the reach of children. Do not freeze. Product will not recover.

Specific end use(s)
Product can be applied by airless or assisted-airless spray or vacuum coater.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls
If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Eye/face protection

Safety glasses with side-shields.

Skin protection
Protective gloves and impervious clothing.

Body protection
Wear suitable protective clothing.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental exposure controls
Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid, grey
Odor	green apple/latex
Odor threshold	Not determined.
pH	8.3-9.3
Melting point/freezing point	32°F / 0°C
Initial boiling point and boiling range	212°F / 100°C
Flash point	None (closed cup)
Evaporation rate	Slower than ether
Flammability (solid, gas)	Not applicable.
Relative density	10.92 lbs./gal.
Solubility(ies)	In water
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	None
Decomposition temperature	No data available.
Viscosity	100-105KU
Explosive properties	None
Oxidizing properties	No data available.

SECTION 10: Stability and reactivity

Reactivity
No specific test data related to reactivity available for this product or its ingredients.

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous polymerization does not occur.

Conditions to avoid
No data available.

Incompatible materials
No data available.

Hazardous decomposition products
No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Skin corrosion/irritation
May cause skin irritation. Signs/symptoms may include localized redness, cracks, swelling, dermatitis and itching.

Serious eye damage/irritation
May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, burning, blurred or hazy vision.

Respiratory or skin sensitization
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity
This product is or contains a component that has been reported to be carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

IARC: Result: 2B - Group 2B: Possibly carcinogenic to humans (Titanium (IV) oxide)
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available.

Summary of evaluation of the CMR properties
No data available.

SECTION 12: Ecological information

Persistence and degradability
MONOETHANOLAMINE: Biodegradability aerobic - Exposure time 28 d
Result: > 70 % - Readily biodegradable
(OECD Test Guideline 301F)

Dipropylene glycol monomethyl ether: Biodegradability aerobic - Exposure time 28 d
Result: 76 % - Readily biodegradable
(OECD Test Guideline 301F)

Bioaccumulative potential
MONOETHANOLAMINE:
http://webnet.oecd.org/ccrweb/ChemicalDetails.aspx?ChemicalID=A51B9C16-0837-416F-9697-991CEC9F46D1

Bioaccumulative (B)? No

Dipropylene glycol monomethyl ether:
http://webnet.oecd.org/ccrweb/ChemicalDetails.aspx?ChemicalID=0F505FF5-E297-4D11-B841-AE6B73A2C59C

Does not bioaccumuate

Mobility in soil
No data available.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13: Disposal considerations

Disposal of the product
Dispose of contents/containers in accordance with local regulations.

Disposal of contaminated packaging
Do not reuse empty containers.

Waste treatment
Dispose of contents/containers in accordance with local regulations.

Sewage disposal
Dispose of contents/containers in accordance with local regulations.

Other disposal recommendations
Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

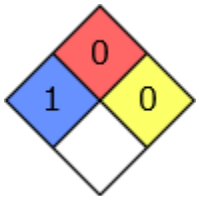
SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

HMIS Rating

TuffKote Acrylic Int./Ext. Stain Block Primer	
HEALTH	1
FLAMMABILITY	
PHYSICAL HAZARD	
PERSONAL PROTECTION	B

NFPA Rating



SECTION 16: Other information

Do not freeze. Product will not recover.

Further information/disclaimer
While the description, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for guidance only. Because many factors may affect application/use, it is recommended that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding the product described, data, or information set forth, or that the product, data, or information may be used without infringing the intellectual property rights of others. In no case shall the description, information, or data provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the description, data, and information furnished herein are given gratis and we assume no obligation or liability for the description, data, and information given or results obtained, all such being given and accepted at your risk. The content of this SDS (a.k.a. MSDS) is copyrighted [(c) PFI]. This SDS may be shared, without changes, and no changes to the PFI content are authorized. Updates to all PFI SDS documents must be obtained directly from PFI. See Section 1 for PFI contact and website information.