HAWK RESEARCH LABORATORIES, LLC.
High Performance Coating Systems

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: UltraGrip™ 4100 Primer Resin all colors

Product Code: 41031, 41034, 410051, 410054, 41051, 41071, 41074, 411361, 411364, 411365, 411971, 411974, 411981, 411984, 411991, 411994, 412511, 412514, 41271, 41274, 416511, 416514, 41HC0001, 41HC0004

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Recommended use of the chemical and restrictions of use:
Because many of the conditions are within the user's knowledge and control, it is essential that the user evaluate and determine whether the product is suitable and appropriate for an intended application, and complies with all local applicable laws, regulations, standards, and guidance.

SECTION 2: HAZARDS IDENTIFICATION

GHS RATINGS:

CLASSIFICATION	CATEGORY	HAZARD STATEMENT
Flammable Liquids	2	H225: Highly flammable liquid and vapor
Skin Corrosion	2	H315: Causes skin irritation
Skin Sensitization	1	H317: May cause an allergic skin reaction
Eye Damage	2A	H319: Causes serious eye irritation
Specific Target Organ Toxicity: Single Exposure	3	H335: May cause respiratory irritation
Toxic to Reproduction	2	H361: Suspected of damaging fertility or the unborn child
Specific Target Organ Toxicity: Repeated Exposure	2	H373: May cause damage to organs through prolonged or repeated exposure

Hazard Symbols (Pictograms):

Signal Word: DANGER

Precautionary Statements:
Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash thoroughly after handling.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P271: Use only outdoors or in a well-ventilated area.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe dust/fume/gas/mist/vapors/spray.

Response:
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378: In case of fire: Use water fog, foam, dry chemical, or carbon dioxide to extinguish.
P302+P352: IF ON SKIN: Wash with plenty of water.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER/doctor if you feel unwell.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P314: Get medical advice/attention if you feel unwell.

Storage:
P403+P235: Store in a well-ventilated place. Keep cool.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.

Disposal:
P501: Dispose of contents/container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Titanium Dioxide	13463-67-7	20-30
Epoxy Resin	Proprietary	20-30
Proprietary Ingredient 1	Proprietary	10-20
Methyl Isobutyl Ketone	108-10-1	5-10
Proprietary Ingredient 2	Proprietary	5-10
Silicon Dioxide, Quartz*	14808-60-7	<1

The exact percentage is withheld as trade secret. Other components are below reportable levels or are non-hazardous.

SECTION 4: FIRST AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, begin CPR. Seek medical attention immediately.

Eye Contact: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention promptly.

Skin Contact: Immediately remove contaminated clothing and shoes. Wash affected area with plenty of soap and water. Launder clothing before reuse.

Ingestion: Rinse out mouth immediately. Do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most Important Symptoms/Effects, Acute and Delayed:
Aside from the information found under the First Aid Measures (above) and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicological Information
Indication of Immediate Medical Attention and Special Treatment Needed:
Notes to Physician: Treat symptomatically. No specific antidote available.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, dry chemical, or carbon dioxide

Specific Hazards Arising from the Chemical: Highly flammable liquid and vapor. Thermal decomposition may produce irritating and/or toxic gases.

Special Protection Actions for Firefighters: Wear self-contained breathing apparatus pressure-demand, NIOSH/MSHA (approved or equivalent) and full protective gear. Evacuate unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Immediately turn off or isolate any sources of ignition (pilot lights, electrical equipment, flames, heaters, etc.). Evacuate area and ventilate.

Environmental Precautions:
Do not allow to enter drains or sewers. All disposal must comply with federal, state, and local regulations. The material, if discarded or spill, may be a regulated waste. Refer to state and local regulations. Department of Transportation (DOT) regulations may apply for transporting this material when spilled. See Section 14. CAUTION: If spilled material is cleaned up using a regulated solvent, the resulting waste mixture will also be regulated.

Methods and Materials for Containment and Cleaning Up:

Personnel wearing proper protective equipment should contain spill immediately with inert materials (sand, earth, chemical spill pads of cotton) by forming dikes. Dikes should be placed to contain spill in a manner that will prevent material from entering sewers and waterways. Large spills, once contained, may be picked up using explosion-proof, non-sparking vacuum pumps, shovels, or buckets, and disposed of in suitable containers.
If a large spill occurs, notify the appropriate authorities. In case of spill or accident, contact CHEMTEL at 800.255.3924.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:
Open containers carefully and in a well-ventilated area, using appropriate respiratory protection. Wash hands thoroughly after handling. Keep containers closed when not in use. Do not transfer to unmarked containers. Empty containers may contain product residue which may exhibit hazardous properties; therefore, do not pressurize, cut, glaze, weld or use for any other purpose.

Conditions for Safe Storage:
Store in a cool, dry, well-ventilated area. Keep containers tightly closed and store away from heat, sparks, open flame, or oxidizing materials. Extended storage at excessive temperatures may produce odorous and toxic fumes from product decomposition.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Chemical Name	Value/Notation
Titanium Dioxide	ACGIH: 10 mg/m^3 (TWA)
Epoxy Resin	None
Proprietary Ingredient 1	ACGIH: 20 ppm (TWA)
Methyl Isobutyl Ketone	ACGIH: 20 ppm (TWA)
Proprietary Ingredient 2	ACGIH: 100 ppm (TWA)
Silicon Dioxide, Quartz*	ACGIH: 0.025 mg/m^3 (TWA) (respirable fraction)

Appropriate Engineering Controls:
Avoid creating dust or mist. Local exhaust ventilation, process enclosures, or other engineering controls are required when handling or using this product to avoid overexposure. Use explosion-proof ventilation equipment. Do not use in closed and confined spaces. keep all levels below exposure limits. Perform regular monitoring to ensure exposure limits are not exceeded.

Personal Protective Equipment (PPE):
Respiratory Protection:
Do not breathe vapors. When concentrations exceed the established limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA) until vapors are exhausted. Observe OSHA standard 29 CFR 1910.134 and ANSI Z88.2 requirements whenever workplace conditions require a respirator's use.

Hand Protection:
Wear appropriate protective gloves and clothing to prevent skin exposure. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves' outer surface) to avoid skin contact with the product.

Eye Protection:
Use safety eyewear with splash guards and side shields. Use additional eye protection, such as chemical safety goggles when the possibility for eye contact from splashing, spraying liquid, or airborne material exists.

Skin Protection:
Avoid contact with this product. Wear appropriate protective gloves and clothing to prevent skin exposure. Use proper glove and clothing remove techniques to avoid skin contact with this product. When handling large quantities, eye wash stations and deluge showers should be available.

Hygiene Measures:
General:
When using this product, do not eat or drink. Wash hands with soap and water before breaks and at the end of each workday.

Contaminated Equipment:
Avoid contact with contaminated clothing and protective clothing. Wash before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Physical State/Color:	Viscous liquid/white
Odor:	Aromatic
Odor Threshold:	Not determined
pH:	Not applicable
Freezing Point:	Not determined
Boiling Point:	>230°F
Flash Point:	43°F
Evaporation Rate:	Not determined
Flammability (solid, gas):	Not applicable
Lower and Upper Explosive Limits:	1.1, 12.8
Vapor Pressure:	Not determined
Vapor Density:	Not determined
Relative Density:	1.41
Solubility:	Not determined
Partition Coefficient: n-octanol/water	Not determined
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	Not determined

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable
Possibility of Hazardous Reaction:	Hazardous polymerization will not occur
Conditions to Avoid:	Excessive heat
Incompatible Materials:	Strong acids, bases, strong oxidizers, and amines

Hazardous Decomposition Products: Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, aldehydes

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

Acute Oral Toxicity: No data available
Acute Dermal Toxicity: Causes skin irritation
Acute Inhalation Toxicity: No data available

Skin Corrosion/Irritation: Causes skin irritation

Serious Eye Damage/ Eye Irritation: Causes serious eye irritation

Respiratory or Skin Sensitization: May cause respiratory irritation

Germ Cell Mutagenicity: No data available

Carcinogenicity: The following chemical(s) comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing):

CAS Number	Chemical Name	Carcinogen Rating
13463-67-7	Titanium Dioxide	IARC: Possible human carcinogen
108-10-1	Methyl Isobutyl Ketone	IARC: Possible human carcinogen
100-41-4	Ethylbenzene	IARC: Possible human carcinogen
14808-60-7	Silicon Dioxide, Quartz*	IARC: Human carcinogen

*This product contains more than 0.1% Crystalline Silica (CAS 14808-60-7), which has been classified as a Class I chemical by the International Agency for Research on Cancer. Typical application poses no hazard since the Silicon Dioxide, Quartz is encapsulated and wet. However, grinding or sanding dried paints may product respirable dusts. If grinding and sanding, use a NIOSH-approved dust filter.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child

Specific Target Organ Systemic Toxicity: May cause damage to organs through prolonged or repeated exposure

Aspiration Hazard: No data available

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

Component Ecotoxicity:

No data available

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Do not discharge product into sewer system. Dispose of in a licensed facility. Waste management should be in full compliance with federal, state, and local laws.

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268, and 270. Chemical additions, processing, and otherwise altering this material, may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

SECTION 14: TRANSPORT INFORMATION

Shipping Information
UN1263 Paint Related Material Class 3 PGIII**

**49 CFR 173.121(b)

This information is not intended to cover all specific regulatory or operational requirements relating to this product. Transportation classifications may vary by container volume and may be influenced by country regulations. Additional transportation information can be obtained through a customer service representative.

SECTION 15: REGULATORY INFORMATION

Toxic Substances Control Act (TSCA): All substances in this product are listed in the TSCA Chemical Substance Inventory.

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Prop 65):
WARNING: This product contains the following substances known to the State of California to cause cancer, birth defects or other reproductive harm.

13463-67-7	Titanium Dioxide
108-88-3	Toluene
108-10-1	Methyl Isobutyl Ketone
100-41-4	Ethylbenzene
14808-60-7	Silicon Dioxide, Quartz*

Clean Air Act, Section 112, Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

108-88-3	Toluene
108-10-1	Methyl Isobutyl Ketone
1330-20-7	Xylene
100-41-4	Ethylbenzene

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

This product contains the following chemicals, which are subject to the reporting requirements of the Act, and Title 40 CFR 372:

108-88-3	Toluene
108-10-1	Methyl Isobutyl Ketone
1330-20-7	Xylene
100-41-4	Ethylbenzene

SECTION 16: OTHER INFORMATION

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Hawk Research Laboratories, LLC (Seller) makes no representations as to the completeness or accuracy thereof. Seller has prepared this document using data from sources considered to be technically reliable and accurate. Information is supplied upon the condition that persons receiving it will make their own determination as to its suitability for their purpose prior to use. In no event will Seller be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. No representations or warranties either expressed or implied, or merchantability, fitness for a particular purpose in any other nature are made hereunder with respect to information for the product to which information refers.

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