



# Safety Data Sheet

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Date: May 28, 2015

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## 1. Identification of the substance or mixture and of the supplier

<b>Product Number(s)</b>	6502, 6505, 6507, 6512, 6513, 6516, 6527
<b>Product Name(s)</b>	Advanced Ceramic Shield Topcoats, Starting Line Topcoats, Professional Adhesion Primer, Formula One Armor, Formula One Shield, Top Line Topcoats, Professional Shield Topcoats
<b>Chemical Family</b>	Aqueous Mixture of PU and Acrylic Dispersions
<b>Recommended use</b>	Finishing and refinishing multiple flooring substrates.
<b>Restrictions on use</b>	Use only as directed.
<b>Supplier</b>	KraGil, Inc
<b>Address</b>	128 South Washington Street St. Croix Falls Wisconsin 54024
<b>Contact Number</b>	877-932-7629 612-605-1864
<b>24 Hour Emergency Phone</b>	Infotrac (800) 535-5053 International (352) 323-3500 (collect)

## 2. Hazards identification

<b>GHS Classification</b>	Reproductive Toxicity - 1
<b>Symbols</b>	Health Hazard
<b>Signal Words</b>	Danger
<b>Hazard Statements</b>	H360 - May damage fertility or the unborn child.
<b>Precautionary Statements</b>	
<b>Prevention</b>	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	P308+P313 - If exposed or concerned: Get medical advice/attention.
<b>Storage</b>	P405 - Store locked up.
<b>Disposal</b>	P501 - Dispose of contents/container in accordance with local, state and federal regulations.

### Supplemental Information

## 3. Composition/information on ingredients

Hazardous Components	CAS #	Weight %
tripropylene glycol monomethyl ether	25498-49-1	<= 2
n-methyl pyrrolidone	872-50-4	<= 6

Weights given as ranges are due to batch to batch variability and this SDS covering more than one product with substantially similar hazards.

## 4. First aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in



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	recovery position and seek medical advice.
<b>Eye Contact</b>	Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart. If irritations persists, seek medical attention.
<b>Skin Contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do not use solvents or thinners.
<b>Ingestion</b>	Obtain immediate medical attention. Keep at rest.

## 5. Fire-fighting measures

<b>Extinguishing Media</b>	SUITABLE: Alcohol resistant foam, CO <sub>2</sub> , powders, water spray. UNSUITABLE: None known.
<b>Special Protective Equipment for Firefighters</b>	Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run off from fire fighting to enter drains or watercourses.
<b>Specific hazards and combustion products</b>	Decomposition may include oxides of carbon, oxides of nitrogen, aldehydes, organic acids and dense black smoke.

## 6. Accidental release measures

<b>Steps to be taken if material is released or spilled</b>	Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials like sand, diatomaceous earth, vermiculite, or earth. Place in container for disposal according to local regulations. Clean up with detergent but do not use solvents. Do not allow into drains or watercourses. If material enters drains or sewers, call local sewer or state authority.
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## 7. Handling and storage

<b>Handling</b>	Persons with a history of skin sensitization problems should not be employed in any process in which this preparation is used. Do not get in eyes, on skin or on clothing. Remove contaminated clothing and clean before reuse. Destroy any clothing items that cannot be decontaminated. Handle in well ventilated areas. Avoid formation of vapor and mist. Always keep in original, tightly closed containers. Never use pressure to empty container. Isolate from sources of heat, sparks and open flame. Do not eat, drink, or smoke in the workplace. Wash hands before eating, drinking or smoking.
<b>Storage</b>	Store between 15 and 30 degree C in a dry, well ventilated place away from sources of heat and direct sunlight. Protect from freezing. Keep away from sources of ignition, oxidizing agents, alkaline and acid materials. No eating, drinking or smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in original containers.

## 8. Exposure controls/personal protection

<b>Exposure limits</b>	There are no exposure limits established for the preparation or available for hazardous components at the time of revision.
<b>Engineering measures</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations below applicable exposure limits, suitable respiration protection must be worn. Exposure limits should be monitored using suitable analytical equipment.
<b>Respiratory protection</b>	In situations where misting or flying may occur or exposure limits are otherwise exceeded, NIOSH approved respiratory protection should be worn.

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<b>Hand protection</b>	Avoid skin contact. Impervious gloves should be worn for direct contact. Additional protection may be necessary to avoid skin contact including use of long sleeves, apron, face shield, boots, or full body protection.
<b>Eye protection</b>	Safety eye wear designed to protect against splash of liquids. Eye wash stations should be available where eye contact may occur.
<b>Skin protection</b>	Work clothes and closed footwear. Affected parts of the body should be washed with soap and water and rinsed thoroughly after contact.
<b>Other protection</b>	Facilities storing or using this material should be equipped with an eyewash facility and a safety shower.

## 9. Physical and chemical properties

<b>Appearance</b>	Milky white liquid.
<b>Odor</b>	Slight, amine-like.
<b>Odor threshold</b>	Not determined.
<b>PH</b>	6.0 – 8.0
<b>Melting/Freezing point</b>	<= 32F
<b>Initial boiling point and range</b>	212 F
<b>Flash point</b>	>212 F (Product does not sustain combustion.)
<b>Evaporation Rate</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not applicable (liquid.)
<b>Lower explosive limit</b>	Not determined.
<b>Upper explosive limit</b>	Not determined.
<b>Vapor pressure</b>	Not determined.
<b>Vapor density</b>	Not determined.
<b>Relative density</b>	1.02 (6505, 6507, 6516) 1.21 (6512)
<b>Solubility</b>	Soluble in water.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	Not determined. Product does not sustain combustion.
<b>Decomposition temperature</b>	>212 F
<b>Viscosity</b>	11 - 26 seconds 4 mm DIN cup

## 10. Stability and reactivity

<b>Reactivity</b>	Not reactive.
<b>Stability</b>	Stable under normal conditions.
<b>Possible hazardous reactions</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Freezing, exposure to temperatures above 200 F (93.3 C) and strong UV light sources.
<b>Incompatible materials</b>	Keep away from strong oxidizing agents, strong acids, strong alkalies, nitrides and reactive metals.
<b>Hazardous decomposition</b>	Decomposition products may include oxides of carbon, oxides of nitrogen, aldehydes,



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products organic acids and dense black smoke.

## 11. Toxicological information

The preparation has not been tested for toxicological effects. Based on known effects of the component materials, the product is classified for human health effects as indicated below.

<b>Likely routes of exposure</b>	Skin, eye, inhalation, ingestion.
<b>Eye contact</b>	May cause eye irritation or damage.
<b>Skin contact</b>	Prolonged or repeated contact with skin or mucous membrane may result in irritation. Not expected to cause allergic skin reaction.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	No known significant effects or critical hazards. May cause irritation to the digestive tract.
<b>Target organ effects</b>	Exposure to n-methyl pyrrolidone may pose a reproductive hazard. Some studies have shown the primary risk factor to be skin contact.
<b>Chronic effects</b>	Exposure to n-methyl pyrrolidone may pose a reproductive hazard. Some studies have shown the primary risk factor to be skin contact.
<b>Medical conditions aggravated by exposure</b>	None known.
<b>Acute toxicity values</b>	Not determined. Not classified as toxic based on ingredients.
<b>Carcinogenicity status</b>	None of the components of this product present at or above 0.1% concentration are listed as carcinogens, potential or suspected by the NTP, IARC or OSHA.

## 12. Ecological information

<b>Eco-toxicity</b>	The product has not been tested. Not classified for aquatic toxicity based on component data. < 6% of the ingredients in this product are of unknown ecotoxicity.
<b>Persistence and degradability</b>	Not determined. Expected to be non-PBT, non-vPvB and readily biodegradable based on component data.
<b>Bioaccumulative potential</b>	Not determined. Expected to be of low bioaccumulative potential based on component data.
<b>Mobility in soil</b>	Not determined.
<b>Other adverse effects</b>	None known.

## 13. Disposal considerations

Dispose of material in accordance with federal, state and local regulations. Do not allow into drains or watercourses.

## 14. Transport information

<b>DOT description</b>	Not regulated.
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## 15. Regulatory information

<b>Toxic Substances Control Act (TSCA)</b>	All components of this product are included on or exempt from the TSCA inventory.
<b>SARA Title III Section 302</b>	The components in this product are either not SARA Section 302 regulated or regulated



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but present in negligible concentrations.

## SARA Title III Section 313

This product contains the following chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372:

n-methyl pyrrolidone CAS# 872-50-4

## California Proposition 65 Reproductive Toxins

Warning: The following ingredients present in the product are known to the state of California to cause birth defects or other reproductive hazards.

n-methyl pyrrolidone CAS# 872-50-4

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## 16. Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of the suitability of this information to ensure proper use and to protect the health and safety of employees. The information in this SDS is meant as a description of the safety requirements of our product; it is not to be considered as a guarantee of the properties of the product. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

KraGil, Inc believes the statements, technical information and recommendations contained herein are reliable. They are given without warranty or guarantee of any kind, expressed or implied.

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PREPARED BY: Eric Anderson