PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Wink
GENERAL USE: Part A of two part acrylic coating
CHEMICAL FAMILY: Acrylic Polyacrylate Dispersion
PRODUCT DESCRIPTION: Milky white (non pigmented) liquid emulsion with a low odor

MANUFACTURER: Master Coating Technologies
2777 Eagandale Boulevard
Eagan, MN 55121
800-898-0219

INFORMATION PHONE: 800-898-0219
EMERGENCY PHONE: 800-535-5053
DATE OF PREPARATION: January 1, 2015

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION! Overexposure to aerosol, vapor or mist may cause eye, skin and respiratory tract irritation, dizziness, headache, nausea and/or flu like symptoms. Prolonged or repeated skin contact may defat the skin and cause irritation. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Irritating gases/fumes may be given off during burning or thermal decomposition.

HMIS HAZARD RATINGS

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>0 = Insignificant</th>
<th>3 = High</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABILITY</td>
<td>1 = Slight</td>
<td>4 = Extreme</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
<td>2 = Moderate</td>
<td></td>
</tr>
</tbody>
</table>

REQUIRED PERSONAL PROTECTIVE EQUIPMENT

HMIS Personal Protective Equipment Letter – A/C
Safety Glasses are required when using this product; gloves and apron or protective clothing are highly advisable. Wear dust mask when sanding surfaces painted with product.

POTENTIAL HEALTH EFFECTS

Acute Exposure Effects

INHALATION: Harmful if inhaled in high concentrations; may cause narcotic effects. May cause respiratory tract irritation. May cause lung damage. May cause central nervous system effects such as nausea and headache.
SKIN: Causes skin irritation in susceptible individuals; this is much more prevalent with prolonged and/or chronic exposure.
EYES: Causes eye irritation. May cause redness and pain. Dried product particles may cause mechanical irritation.
INGESTION: Harmful if swallowed. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting, and diarrhea.

Chronic Exposure Effects

Chronic inhalation of silica in dried product may produce silicosis; chronic skin exposure may result in rash.
CARCINOGENICITY: NTP/NO – IARC Monographs/NO – OSHA Regulated/NO – Cal. Prop. 65/NO – ESI Notation/NO
HAZARDS INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>% BY WEIGHT</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol n-Butyl Ether (3-Butoxypropan-2-01)</td>
<td>1-5</td>
<td>5131-66-8</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>1-4</td>
<td>102-71-6</td>
</tr>
<tr>
<td>Amorphous Silica</td>
<td>0.3</td>
<td>7631-86-9</td>
</tr>
</tbody>
</table>


FIRST AID MEASURES

INHALATION: Provide fresh air and rest. See a physician for serious cases.

EYES: Remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

SKIN: Wash with mild soap and water. See a physician if irritation persists.

INGESTION: Do NOT induce vomiting. Give water to drink. Get medical aid immediately. Call a poison control center.

FIRE FIGHTING MEASURES

DATA RELATED TO FIRE:
Flash Point: None – Auto-Ignition Temp: 430°C (806°F) @ 997 hPa (DIN 51794); Flammable/Explosive Impact Limits: NA (Lower: NA, Upper: NA); Sensitivity to Mechanical Impact/Static Discharge: None

GENERAL HAZARDS: Not a flammable or combustible product.

SUITEABLE EXTINGUISHING MEDIA: Use extinguishing media appropriate to fight surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: None

FIRE FIGHTING PROCEDURES: Normal procedures are applicable. No special procedures are required for fires involving this product.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, nitrogen oxides.

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Contain spill. If spilled in an enclosed area, ventilate. Wear proper personal protective clothing and equipment. Do not flush liquid into public sewer, water systems or surface waters. Recover as much as possible for reuse. Absorb remainder with an inert material. Place into labeled, closed containers for disposal. Wash the spill area with soap and water. Change contaminated clothes and launder before reuse.

CAUTION: Spilled liquid and dried film are slippery. Dispose in accordance with local, state and federal regulations. Discarded product is not hazardous waste under CRA (40CFR 261.21).
HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

HANDLING: Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid inhalation of mists/fumes. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling this product and before eating, smoking or using the facilities. Use under well-ventilated conditions.

STORAGE: Keep container closed when not in use. Do not store in open, unlabeled or mislabeled containers. Do not allow product to freeze. Do not store over 120°F/48°C.

EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>CAS#</th>
<th>ACGIH EXPOSURE LIMITS (mg/m^3 unless otherwise noted)</th>
<th>OSHA Exposure Limits (mg/m^3 unless otherwise noted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol n-Butyl Ether (3-Butoxypropan-2-01)</td>
<td>5131-66-8</td>
<td>606</td>
<td>600</td>
</tr>
<tr>
<td>Triethanolamine</td>
<td>102-71-6</td>
<td>5</td>
<td>NE</td>
</tr>
<tr>
<td>Amorphous Silica</td>
<td>7631-86-9</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

RESPIRATORY PROTECTION: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

PROTECTIVE GLOVES: Wear appropriate protective gloves to prevent skin exposure. Wear appropriate protective clothing to limit skin exposure.

EYE PROTECTION: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA’s eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Facilities storing this material should be equipped with an eyewash facility and a safety shower.

ENGINEERING CONTROLS: Provide adequate area ventilation to keep airborne exposure concentrations below the listed TLVs.

WORK / HYGIENIC PRACTICES: Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Milky White (non pigmented) liquid emulsion with a mild faint acrylic odor

ODOR THRESHOLD: NA

FREEZING / MELTING POINT: NA

SOLUBILITY IN WATER: Soluble

pH: 7.3 @ 22°C (71.6°F) (Determined in a 10% aqueous solution)

FLASH POINT: None

FLAMMABLE LIMITS: LEL=None / UEL=None

AUTOIGNITION TEMPERATURE: 430°C (806°F) @ 997 hPa (DIN 51794)

VOLATILE ORGANIC COMPOUNDS (VOCs): <50 g/L

VAPOR PRESSURE: NR

SPECIFIC GRAVITY (water=1): NR

BOILING POINT/RANGE: 99°C (210.2°F) @ 1,013 hPa (EG A2)

COEFFICIENT OF WATER/OIL DISTRIBUTION: NR

SOLUBILITY IN ORGANIC SOLVENTS: NR

VISCOSITY: NR

VAPOR DENSITY (Air=1): NR

EVAPORATION RATE (water=1): <1
STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.

CONDITIONS TO AVOID: Incompatible materials, ignition sources, excess heat. Protect from freezing.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents, strong bases, strong acids, water reactive materials.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Carbon monoxide, carbon dioxide, nitrogen oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None related to polymerization.

TOXICOLOGICAL INFORMATION

Oral LD₅₀
Product is likely to be a gastrointestinal irritant.

Dermal LD₅₀
Not known – product is irritating by contact with skin.

Inhalation LC₅₀
Not known – product may be a mild irritant to the respiratory tract.

Irritation/Sensitization
Chemical and mechanical irritant to eyes; possible irritant to skin and respiratory tract.

Carcinogenicity
IARC-Triethanolamine Group 3 Not classifiable.

Mutagenicity
Not Known

Reproductive Toxicity
Not Known

Teratogenicity
Not Known

COMPONENTS LD₅₀ of IngredientCAS#

Propylene Glycol n-Butyl Ether (3-Butoxypropan-2-01) 5131-66-8 3300 mg/kg

Triethanolamine 102-71-6 4920 uL/kg

Amorphous Silica 7631-86-9 Draize test, rabbit, eye: 25 mg/24H Mild

Ingredient Triethanolamine: Fish: Fathead minnow: 5600 mg/L; 96H; LC50
Ingredient Acrylic Polymer: Acute and Prolonged Toxicity to Fish, LC50: > 100 mg/l (Danio rerio [zebra fish], 96 h)
Ingredient Propylene Glycol n-Butyl Ether: > 90%, Exposure time: 28 days; Acute and Prolonged Toxicity to Fish: LC50: 560 – 1,000 mg/l (Guppy [Poecilia reticulata]); Acute Toxicity to Aquatic Invertebrates: EC50: >1,000 mg/l (Water flea [Daphnia magna])

The product is not readily biodegradable.

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Dispose of in a manner consistent with federal, state, and local regulations. Recondition or dispose of empty container in accordance with governmental regulations.
TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Not regulated for transport
DOT HAZARD CLASS / Pack Group: Not regulated
REFERENCE: 49CFR, IATA, IMDG
UN/NA IDENTIFICATION NUMBER: None
LABEL: None
HAZARD SYMBOLS: None

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100–177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

REGULATORY INFORMATION

TSCA (USA – Toxic Substance Control Act): Ingredients are TSCA referenced.
SARA TITLE III (USA – Superfund Amendments and Reauthorization Act):
Acute Health: NO
Chronic Health: NO
Fire: NO
Sudden Release of Pressure: NO
Reactive: NO

SARA 313 REPORTABLE INGREDIENTS: None
CERCLA (USA–Comprehensive Response Compensation and Liability Act): RQ = 24000 lbs. for product.
State Right to Know: CAS#7631-86-9 (Silica) can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

<table>
<thead>
<tr>
<th>WEIGHT PERCENT</th>
<th>COMPONENTS</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;=1%</td>
<td>Polycrlylate Resin</td>
<td>CAS# is a trade secret</td>
</tr>
<tr>
<td>&gt;=1%</td>
<td>Water</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>&gt;=1%</td>
<td>Reactive diluent</td>
<td>CAS# is a trade secret</td>
</tr>
<tr>
<td>1 – 5%</td>
<td>Propylene Glycol n-Butyl Ether</td>
<td>5131-66-8</td>
</tr>
</tbody>
</table>

CPR (Canadian Controlled Products Regulations): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. WHMIS Classifications: D2B
IDL (Canadian Ingredient Disclosure List): None Listed
DSL/NDSL (Canadian Domestic Substances List/Non-Domestic Substances List): Listed on DSL
EINECS (European Inventory of Existing Commercial Chemical Substances): Referenced

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

WARRANTY: Wolf-Gordon extends the manufacturer’s warranty for the Wink finish system for ten (10) years from the date of shipment by Wolf-Gordon against failure to adhere to a wall surface; to not crack or peel; to resist staining; and to show no appreciable fade when applied to a wall surface according to the manufacturer’s application instructions and properly cleaned and maintained. The limited warranty herein shall not apply to any subsequent failure or damage caused by external factors such as substrate failure or defect, environmental conditions, sharp objects, abuse, misuse, damage, neglect, or accident beyond published limitations for the product; or any defects caused by the materials on the surface to which the product is applied, other than those specified in this warranty. The liability of Wolf-Gordon under this limited warranty is limited to the replacement value of the Wink product.

For assistance, call 800-632-WINK (9465) or visit wolfgordon.com.
MATERIAL SAFETY DATA SHEET—Part B

PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Wink
GENERAL USE: Part B (Polymer Hardener)
CHEMICAL FAMILY: Isocyanates
PRODUCT DESCRIPTION: Light yellow liquid with a slight odor
MANUFACTURER: Master Coating Technologies
2777 Eagandale Boulevard
Eagan, MN 55121
800-898-0219

INFORMATION PHONE: 800-898-0219
EMERGENCY PHONE: 800-535-5053
DATE OF PREPARATION: January 1, 2015

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION! Overexposure to aerosol, vapor or mist may cause eye, skin and respiratory tract irritation, dizziness, headache, nausea and/or flu like symptoms. Prolonged or repeated skin contact may defat the skin and cause irritation. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Irritating gases/fumes may be given off during burning or thermal decomposition.

HMIS HAZARD RATINGS

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>2*</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

0 = Insignificant  1 = Slight  2 = Moderate  3 = High  4 = Extreme

*Chronic Health Hazard – Sensitization

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
HMIS Personal Protective Equipment Letter — See Notes
Notes: Personal protective equipment must be selected to prevent inhalation of vapors and contact with skin and eyes. At a bare minimum, safety glasses, gloves, apron, and combination particle/vapor respirator should be worn. In some cases, supplied air, full body suits and boots will be needed.

POTENTIAL HEALTH EFFECTS

Acute Exposure Effects

INHALATION: Diisocyanate or polyisocyanate vapors or mist at concentrations above the exposure limits or guidelines can irritate (burning sensation) the mucous membranes in the respiratory tract (nose, throat, lungs) with symptoms of runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing difficulty). Persons with preexisting bronchial hyperreactivity may respond to concentrations below the exposure limits or guidelines with similar symptoms or asthmatic type symptoms. Exposure well above the exposure limits or guidelines may lead to bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). Chemical or hypersensitivity pneumonitis, with flu-like symptoms (e.g. fever, chills), has also been reported. These symptoms can be delayed up to several hours after exposure. These effects are usually reversible.

SKIN: Causes irritation with symptoms of reddening, itching, and swelling. Can cause sensitization. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash. Cured material is difficult to remove.

EYES: Causes irritation with symptoms of reddening, tearing, stinging, and swelling. May cause temporary corneal injury. Vapor may cause irritation with symptoms of burning and tearing.

INGESTION: May cause irritation; Symptoms may include abdominal pain, nausea, vomiting, and diarrhea.
Chronic Exposure Effects

As a result of previous repeated overexposures or a single large dose, certain individuals may develop a respiratory sensitization to diisocyanates or polyisocyanates that may cause them to react to a later exposure to diisocyanates or polyisocyanates at levels well below the exposure limits or guidelines. These asthmatic symptoms, which can include chest tightness, wheezing, cough, shortness of breath or asthmatic attack, may be delayed up to several hours after exposure. Extreme asthmatic reactions can be life threatening. There is evidence that once sensitized, an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Sensitization can be permanent. Chronic overexposure to diisocyanates has also been reported to cause lung damage (including fibrosis, decrease in lung function) that may be permanent. Prolonged skin contact may cause reddening, swelling, rash, and, in some cases, skin sensitization. Animal tests and other research indicate that skin contact with diisocyanates can play a role in causing isocyanates sensitization and respiratory reaction. This data reinforces the need to prevent direct skin contact with isocyanates. Prolonged vapor contact may cause conjunctivitis of the eyes.

CARCINOGENICITY: NTP/NO – IARC Monographs/NO – OSHA Regulated/NO – Cal. Prop. 65/NO – ESIS Notation/NO

### HAZARDS INGREDIENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>% BY WEIGHT</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homopolymer of (HDI)</td>
<td>60-100%</td>
<td>28182-81-2</td>
</tr>
<tr>
<td>Hexamethylene Diisocyanate</td>
<td></td>
<td>NR</td>
</tr>
<tr>
<td>Polyisocyanate based on HDI</td>
<td>15-25%</td>
<td>822-06-0</td>
</tr>
<tr>
<td>Hexamethylene-1,6-Diisocyanate</td>
<td>&lt;0.1%</td>
<td></td>
</tr>
</tbody>
</table>


### FIRST AID MEASURES

**INHALATION:** Move to an area free from further exposure. Get medical attention immediately. Administer oxygen or artificial respiration as needed. Asthmatic symptoms may develop and may be immediate or delayed up to several hours. Extreme asthmatic reactions can be life threatening. Notes to physician: Treatment is essentially symptomatic. An individual having a dermal or pulmonary sensitization reaction to this material should be removed from further exposure to any diisocyanate.

**EYES:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Use lukewarm water if possible. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Then remove contact lenses, if easily removable, and continue eye irrigation for not less than 15 minutes. Get medical attention if irritation develops. Notes to physician: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic/steroid preparation as needed. Workplace vapors could produce reversible corneal epithelial edema, impairing vision.

**SKIN:** Immediately remove contaminated clothing and shoes. Wash off with soap and water. Use lukewarm water if possible. Wash contaminated clothing before reuse. For severe exposures, immediately get under safety shower and begin rinsing. Get medical attention if irritation develops and persists.

**INGESTION:** Do NOT induce vomiting. Wash mouth out with water. Do not give anything by mouth to an unconscious person. Get medical attention. Notes to physician: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of the compound.
FIRE FIGHTING MEASURES

DATA RELATED TO FIRE:
Flash Point: 135°F/57°C CC – Auto-Ignition Temp: NE; Flammable/Explosive Impact Limits: NA (Lower: NA, Upper: NA); Sensitivity to Mechanical Impact/Static Discharge: None

GENERAL HAZARDS: Combustible liquid avoid sources of ignition. Decomposition products can be highly toxic and irritating.

SUITABLE EXTINGUISHING MEDIA: Water Fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective.

UNSUITABLE EXTINGUISHING MEDIA: None

FIRE FIGHTING PROCEDURES: Firefighters should wear NFPA compliant structural firefighting protective equipment, including self-contained breathing apparatus and NFPA compliant helmet, hood, boots and gloves. Avoid contact with product. Decontaminate equipment and protective clothing prior to reuse. During a fire, isocyanate vapors and other irritating, highly toxic gases may be generated by thermal decomposition or combustion. Exposure to heated disocyanate can be extremely dangerous.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed container may forcibly rupture under extreme heat or when contents are contaminated with water (CO2 formed). Use coldwater spray to cool fire-exposed containers to minimize the risk of rupture. Large fires can be extinguished with large volumes of water applied from a safe distance, since reaction between water and hot disocyanate can be vigorous.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, nitrogen oxides, dense black smoke, hydrogen cyanide, isocyanate, isocyanic acid.

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Evacuate non-emergency personnel. Isolate the area and prevent access. Remove ignition sources. Notify management. Put on protective equipment. Control source of the leak. Ventilate. Contain the spill to prevent spread into drains, sewers, water supplies, or soil. To minimize vapor, cover the spillage with fire fighting foam (AFFF). Released material may be pumped into closed, but not sealed, metal container for disposal. Process can generate heat. Minor Spill or Leak (Wet surface): Cover spill area with suitable absorbent material (Kitty Litter, Oil-Dri®, etc.). Saturate absorbent material with neutralization solution and mix. Wait 15 minutes. Collect material in open-head metal containers. Repeat applications of decontamination solution, with scrubbing, followed by absorbent until the surface is decontaminated. Check for residual surface contamination. Swype® test kits have been used for this purpose. Apply lid loosely and allow containers to vent for 72 hours to let carbon dioxide escape.

Additional Spill Procedures/Neutralization: Neutralization solutions:
(1) Colorimetric Laboratories Inc. (CLI) decontamination solution.
(2) A mixture of 75% water, 20% non-ionic surfactant (e.g. Plurafac SL-62, Tergitol TMN-10) and 5% n-propanol.
(3) A mixture of 80% water, 20% non-ionic surfactant (e.g. Plurafac SL-62, Tergitol TMN-10).
(4) A mixture of 90% water, 3-8% ammonium hydroxide or concentrated ammonia, and 2% liquid detergent.

HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
STORAGE TEMPERATURE: Minimum: -34°C (-29.2°F); Maximum: 50°C (122°F)
STORAGE PERIOD: 6 Months @ 25°C (77°F): after receipt of material by customer.

HANDLING/STORAGE PRECAUTIONS: Do not breathe vapors, mists, or dusts. Use adequate ventilation to keep airborne isocyanate levels below the exposure limits. Wear respiratory protection if material is heated, sprayed, used in a confined space, or if the exposure limit is exceeded. Warning properties (irritation of the eyes, nose and throat or odor) are not adequate to prevent overexposure from inhalation. This material can produce asthmatic sensitization upon either single inhalation exposure to a relatively high concentration or upon repeated inhalation exposures to lower concentrations. Individuals with lung or breathing problems or prior allergic reactions to isocyanates must not be exposed to vapor or spray mist.
**EXPOSURE CONTROLS/PERSONAL PROTECTION**

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>CAS#</th>
<th>ACGHI EXPOSURE LIMITS</th>
<th>OSHA Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homopolymer of Hexamethylene Diisocyanate</td>
<td>28182-81-2</td>
<td>Bayer Exposure Limit 0.5 mg/m³</td>
<td>0.5 mg/m³</td>
</tr>
<tr>
<td>Polyisocyanate based on HDI</td>
<td>NR</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>Hexamethylene-1,6-Diisocyanate</td>
<td>822-06-0</td>
<td>0.005 ppm</td>
<td>NE</td>
</tr>
</tbody>
</table>

**HAZARDOUS COMPONENTS**

**RESPIRATORY PROTECTION:** While spray application is not recommended, a respirator that is approved for use in isocyanate-containing environments (air-purifying, charcoal-based or fresh air supplied) may be necessary for spray applications or other situations such as high temperature use, which may produce inhalation exposures. A supplied-air respirator (either positive pressure or continuous flow-type) is recommended. Before an air-purifying respirator can be used, air monitoring must be performed to measure airborne concentrations of HDI monomer and HDI polyisocyanate. Specific conditions under which air-purifying (charcoal) respirators can be used are outlined in the following sections. Observe OSHA regulations for respirator use (29 CFR 1910.134).

**SPRAY APPLICATION:** While not recommended, good industrial hygiene practice dictates that when isocyanate-based coatings are spray applied, some form of respiratory protection should be worn. During the spray application of coatings containing this product, the use of a supplied-air respirator (either positive pressure or continuous flow-type) is mandatory when ONE OR MORE of the following conditions exists: the airborne isocyanate concentrations are not known; or, the airborne isocyanate monomer concentrations exceed 0.05 ppm averaged over eight (8) hours (10 times the 8 hour TWA exposure limit); or, the airborne polyisocyanate (polymeric, oligomeric) concentrations exceed 5 mg/m³ averaged over 8 hours or 10 mg/m³ averaged over 15 minutes (10 times the 8 hour TWA or the 15 minute STEL exposure limits); or, operations are performed in a confined space (See OSHA Confined Space Standard, 29 CFR 1910.146).

A properly fitted air-purifying (combination organic vapor and particulate) charcoal-based respirator, proven by test to be effective in isocyanate-containing spray paint environments, and used in accordance with all recommendations made by the manufacturer, can be used when ALL of the following conditions are met: The airborne isocyanate monomer concentrations are known to be below 0.05 ppm averaged over eight (8) hours (10 times the 8 hour TWA exposure limit); and, the airborne polyisocyanate (polymeric, oligomeric) concentrations are known to be below 5 mg/m³ averaged over 8 hours or 10 mg/m³ averaged over 15 minutes (10 times the 8 hour TWA or the 15 minute STEL exposure limits) and, a NIOSH-certified End of Service Life Indicator or a change schedule based upon objective information or data is used to ensure that cartridges are replaced before the end of their service life. In addition, prefilters should be changed whenever breathing resistance increases due to particulate buildup.

**NON-SPRAY OPERATIONS:** During non-spray operations such as mixing, batch-making, brush or roller application, etc., at elevated temperatures (for example, heating of material or application to a hot substrate), it is possible to be exposed to airborne isocyanate vapors. Therefore, when the coatings system will be applied in a non-spray manner, a supplied-air respirator (either positive pressure or continuous flow-type) is mandatory when ONE OR MORE of the following conditions exists: the airborne isocyanate concentrations are not known; or, the airborne isocyanate monomer concentrations exceed 0.05 ppm averaged over eight (8) hours (10 times the 8 hour TWA exposure limit); or, the airborne polyisocyanate (polymeric, oligomeric) concentrations exceed 5 mg/m³ averaged over 8 hours or 10 mg/m³ averaged over 15 minutes (10 times the 8 hour TWA or the 15 minute STEL exposure limits); or, operations are performed in a confined space (See OSHA Confined Space Standard, 29 CFR 1910.146).

A properly fitted air-purifying (combination organic vapor and particulate) respirator, proven by test to be effective in isocyanate-containing paint environments, and used in accordance with all recommendations made by the manufacturer, can be used when ALL of the following conditions are met: the airborne concentrations of the isocyanate monomer are below 0.05 ppm averaged over eight (8) hours (10 times the 8 hour TWA exposure limit); and, the airborne polyisocyanate (polymeric, oligomeric) concentrations are known to be below 5 mg/m³ averaged over eight (8) hours or 10 mg/m³ averaged over 15 minutes (10 times the 8 hour TWA or the 15 minute STEL exposure limits) and, a NIOSH-certified End of Service Life Indicator or a change schedule based upon objective information or data is used to ensure that cartridges are replaced before the end of their service life. In addition, prefilters should be changed whenever breathing resistance increases due to particulate buildup.
PROTECTIVE GLOVES: Gloves should be worn—Nitrile rubber gloves, Butyl rubber gloves, or Neoprene gloves.

EYE PROTECTION: When directly handling liquid product, eye protection is required. Examples of eye protection include a chemical safety goggle, or chemical safety goggle in combination with a full face shield when there is a greater risk of splash.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Avoid all skin contact. Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of this product. Follow all label instructions.

ENGINEERING CONTROLS: Superior area ventilation is absolutely required when working with isocyanate containing products to keep airborne concentrations below the listed TLV/TWA’s. Respiratory protection must also be worn at all times to avoid inhalation exposure.

WORK / HYGIENIC PRACTICES: Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of this product. Follow all label instructions. Thoroughly wash up with soap and water after handling this product and before eating, drinking or smoking.

### PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and Odor</td>
<td>Light yellow liquid with a slight odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>NE</td>
</tr>
<tr>
<td>Freezing / Melting Point</td>
<td>NE</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>NR</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
<tr>
<td>Flash Point</td>
<td>57°C (135°F) CC</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>LEL–None / UEL–None</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>NE</td>
</tr>
<tr>
<td>Volatile Organic Compounds (VOCs)</td>
<td>&lt;5 g/L</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>HDI Polyisocyanate: 5.2 x 10^-9 @ 20°C (68°F) mmHg</td>
</tr>
<tr>
<td>Specific Gravity (water=1)</td>
<td>Approximately 1.15 @ 20°C (68°F)</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>NE</td>
</tr>
<tr>
<td>Coefficient of Water / Oil Distribution</td>
<td>NR</td>
</tr>
<tr>
<td>Solubility in Organic Solvents</td>
<td>Soluble</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NR</td>
</tr>
<tr>
<td>Vapor Density (Air=1)</td>
<td>&gt;1</td>
</tr>
<tr>
<td>Evaporation Rate (Water=1)</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

### STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Excessive heat and incompatible substances.

Incompatibility (Materials to Avoid): Water, amines, strong bases, alcohols, copper alloys.

Hazardous Decomposition or Byproducts: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NOₓ), dense black smoke, hydrogen cyanide, isocyanate, isocyanic acid, other undetermined compounds.

Hazardous Polymerization: May occur under certain conditions as indicated under “Conditions to Avoid”.

Conditions to Avoid: Contact with moisture, other materials that react with isocyanates, or temperatures above 350°F (177°C) may cause polymerization.
TOXICOLOGICAL INFORMATION

Oral LD<sub>50</sub>  Product is likely to be a gastrointestinal irritant.
Dermal LD<sub>50</sub>  > 5,000 mg/kg (rabbit)
Inhalation LC<sub>50</sub>  LC50: 390-453 mg/m³, 4 h (Rat, Male/Female).
Irritation/Sensitization  Chemical and mechanical irritant to eyes; possible irritant to skin and respiratory tract.
Carcinogenicity  No carcinogenic substances as defined by IARC, NTP and/or OSHA.
Mutagenicity  Negative, point mutation in mammalian cells (HPRT test). Ames: negative (Salmonella typhimurium, Metabolic Activation: with/without)
Reproductive Toxicity  Not Known
Teratogenicity  Not Known

<table>
<thead>
<tr>
<th>COMPONENTS</th>
<th>LD50 of Ingredient (Oral, Rat–unless otherwise specified)</th>
<th>LC50 of Ingredient (Inhalation, Rat–unless otherwise specified)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homopolymer of Hexamethylene Diisocyanate</td>
<td>28182-81-2</td>
<td>&gt;5,000 mg/kg (Rat)</td>
</tr>
<tr>
<td>Polyisocyanate based on HDI</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>Hexamethylene-1,6-Diisocyanate</td>
<td>822-06-0</td>
<td>738 mg/kg/4HR</td>
</tr>
</tbody>
</table>

Ecological Data for Homopolymer of Hexamethylene Diisocyanate: Biodegradation: 0%, Exposure time: 28 days, Not readily biodegradable; Acute and Prolonged Toxicity to Fish: LC0: > 100 mg/l (Zebra fish [Brachydanio rerio], 96 h); Acute Toxicity to Aquatic Invertebrates: EC0: > 100 mg/l (Water flea [Daphnia magna], 48 h); Toxicity to Aquatic Plants: EC50: > 1,000 mg/l, (Green algae [Scenedesmus subspicatus], 72 h); Toxicity to Microorganisms: EC50: > 1,000 mg/l, (Activated sludge microorganisms, 3 h)

Ecological Data for Hydrophilic Aliphatic Polyisocyanate based on Hexamethylene Diisocyanate: No data available for this component.

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste disposal should be in accordance with existing federal, state and local environmental control laws. Incineration is the preferred method. Empty Container Precautions: Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed. Do not reuse without thorough commercial cleaning and reconditioning. If container is to be disposed, ensure all product residues are removed prior to disposal.

TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: Other regulated substances, liquid, n.o.s. contains Hexamethylene Diisocyanate
DOT HAZARD CLASS / Pack Group: 9/PGIII
REFERENCE: 49CFR, IATA, IMDG
UN/NA IDENTIFICATION NUMBER: UN3082 & NA3082

IATA HAZARD CLASS / Pack: Not regulated
IMDG HAZARD CLASS: Not regulated
RID/ADR Dangerous Goods Code: UN3082, 9 UN3082, 9
Hazard Identification Number (HIN): 90 EAC = •3Z
When in individual containers of less than the Product RQ (45,359 kg), this material ships as non-regulated.

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100-177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.
TSCA (USA—Toxic Substance Control Act): Ingredients are TSCA referenced.

SARA TITLE III (USA—Superfund Amendments and Reauthorization Act): No ingredients in this product are subject to SARA 313 (40 CFR 372.65C)

Supplier Notification:

- **Acute Health:** YES
- **Chronic Health:** YES
- **Fire:** NO
- **Sudden Release of Pressure:** NO
- **Reactive:** YES

SARA 313 REPORTABLE INGREDIENTS: No supplier notification required for any components of this product.

CERCLA (USA—Comprehensive Response Compensation and Liability Act): CAS# 822-06-0 (Hexamethylene-1,6-Diisocyanate): 100 lb final RQ; 45.4 kg final RQ.


State Right to Know: CAS-No’s 822-06-0 and 28182-81-2 (HDI and Homopolymer of HDI) appear on the following RTK lists: MA, NJ, PA.

CPR (Canadian Controlled Products Regulations): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. **WHMIS Classifications: B3, D2.**

IDL (Canadian Ingredient Disclosure List): **CAS# 822-06-0 is listed on Canada’s Ingredient Disclosure List.**

DSL/NDSL (Canadian Domestic Substances List / Non-Domestic Substances List): Listed on DSL

EINECS (European Inventory of Existing Commercial Chemical Substances): Referenced

**WGK Water Quality Index: 2**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

**WARRANTY:** Wolf-Gordon extends the manufacturer’s warranty for the Wink finish system for ten (10) years from the date of shipment by Wolf-Gordon against failure to adhere to a wall surface; to not crack or peel; to resist staining; and to show no appreciable fade when applied to a wall surface according to the manufacturer’s application instructions and properly cleaned and maintained. The limited warranty herein shall not apply to any subsequent failure or damage caused by external factors such as substrate failure or defect, environmental conditions, sharp objects, abuse, misuse, damage, neglect, or accident beyond published limitations for the product; or any defects caused by the materials on the surface to which the product is applied, other than those specified in this warranty. The liability of Wolf-Gordon under this limited warranty is limited to the replacement value of the Wink product.

For assistance, call 800-632-WINK (9465) or visit wolfgordon.com.

08/08/14
MATERIAL SAFETY DATA SHEET – Surface Conditioner

PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Wink Surface Conditioner
CHEMICAL FAMILY: Polishers and Cleaners
GENERAL USE: Mixture: solvent, water, polishing agents, additives
MANUFACTURER: Master Coating Technologies
2777 Eagandale Boulevard
Eagan, MN 55121
800-898-0219
INFORMATION PHONE: 800-898-0219
EMERGENCY PHONE: 800-535-5053
DATE OF PREPARATION: January 1, 2015

HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION: Repeated or excessive inhalation of vapor can cause irritation, dizziness, and nausea. No chronic effects known.

INGESTION: Causes digestive system upsets, dizziness, nausea, and may cause chemical pneumonia, which may be fatal, if sucked into lungs. No chronic effects known.

SKIN CONTACT: Repeated or excessive contact can cause moderate irritation, de-fatting or dermatitis. No chronic effects known.

EYE CONTACT: Causes irritation. No chronic effects known.

HMIS CLASSIFICATION

<table>
<thead>
<tr>
<th>HMIS</th>
<th>NFPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health:</td>
<td>1</td>
</tr>
<tr>
<td>Flammability:</td>
<td>1</td>
</tr>
<tr>
<td>Reactivity:</td>
<td>0</td>
</tr>
<tr>
<td>PPI:</td>
<td>A</td>
</tr>
</tbody>
</table>

HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>% BY WEIGHT</th>
<th>CAS NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Distillates (Hydrotreated Light Distillate Solvent)</td>
<td>5-8%</td>
<td>64742-47-8</td>
</tr>
<tr>
<td>Petroleum Oil (White Oil)</td>
<td>5-8%</td>
<td>8042-47-5</td>
</tr>
</tbody>
</table>

EXPOSURE LIMITS: 8 hrs. TWA (ppm)

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>CARCINOGEN (OSHA, NPT, IARC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum Distillates (Hydrotreated Light Distillate Solvent)</td>
<td>100 ppm</td>
<td>100 ppm</td>
<td>No</td>
</tr>
<tr>
<td>Petroleum Oil (White Oil)</td>
<td>N/A</td>
<td>N/A</td>
<td>No</td>
</tr>
</tbody>
</table>
FIRST AID MEASURES

INHALATION: Remove to fresh air. Use artificial respiration and oxygen if needed.

INGESTION: Rinse mouth. Do not induce vomiting. Get prompt medical attention. Aspiration into lungs can cause chemical pneumonitis which may be fatal.

SKIN CONTACT: Remove contaminated clothing. Wash effected areas thoroughly with soap and water. Launder clothing before re-use.

EYE CONTACT: Flush with water for 15 minutes. Get medical attention if effects persist.

FIRE FIGHTING MEASURES

FLASH POINT: (Seta Cl. Cup): >200°F (93°C); Explosive Limits – Lower: N/A Upper: N/A

EXTINGUISHING MEDIA: Water spray, alcohol foam, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Avoid flow of material into sewers. See below for personal protection.

ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Remove all ignition sources. Provide good ventilation. Take up spills and put into closed containers. Avoid flow to sewers. Floors may be slippery. See below for other protective measures.

HANDLING AND STORAGE

STORAGE TEMPERATURE (Min./Max.): 32°F (0°C)/ 120°F (49°C)

SHELF LIFE: 7 years minimum when the original container is kept tightly closed and properly stored.

SPECIAL SENSITIVITY: None

HANDLING AND STORAGE PRECAUTIONS: Store in cool and ventilated places, but avoid freezing. Keep containers closed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION REQUIREMENTS: Wear goggles. Have convenient eye wash stations.

SKIN PROTECTION REQUIREMENTS: Wear solvent resistant gloves and other clothing as needed to prevent exposure.

RESPIRATOR/VENTILATION PROTECTION REQUIREMENTS: Provide sufficient ventilation to avoid exposure levels above the established TLV.

INGESTION PROTECTION REQUIREMENTS: Avoid swallowing or sucking into lungs.

EXPOSURE LIMITS: Not established for product as whole.

STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY: Strong oxidizers such as peroxides

DECOMPOSITION PRODUCTS: When burned: CO₂, CO, hydrocarbons
**PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Off white to beige viscous creamy liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Typical Solvent</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Melt / Freeze Point</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>8.5</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Dispersible</td>
</tr>
<tr>
<td>% Non-Volatile by Weight</td>
<td>20.0%</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.093</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**TOXICOLOGICAL INFORMATION**

| Acute Inhalation                | Can cause irritation, dizziness, and nausea. |
| Chronic Inhalation              | Not known                                   |
| Acute Skin Contact              | Can cause irritation, de-fatting, or dermatitis. |
| Chronic Skin Contact            | Not known                                   |
| Acute Eye Contact               | Causes irritation                           |

**ECOLOGICAL INFORMATION**

No data available.

**DISPOSAL CONSIDERATIONS**

RCRA HAZARDOUS WASTE: Is not a RCRA hazardous waste.

WASTE DISPOSAL METHOD: Dispose of product in accordance with all local, state and federal laws and regulations.

**TRANSPORTATION INFORMATION**

<table>
<thead>
<tr>
<th>DOT Information</th>
<th>Not regulated as a hazardous material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>None</td>
</tr>
<tr>
<td>Technical Shipping Name</td>
<td>None</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>None</td>
</tr>
<tr>
<td>UN Identification Number</td>
<td>None</td>
</tr>
<tr>
<td>Product RQ (lbs.)</td>
<td>None</td>
</tr>
<tr>
<td>Label</td>
<td>Non Bulk — None; Bulk — None</td>
</tr>
<tr>
<td>Placard</td>
<td>Non Bulk — None; Bulk — None</td>
</tr>
<tr>
<td>Freight Class Bulk</td>
<td>N/A</td>
</tr>
<tr>
<td>Freight Class Package</td>
<td>None</td>
</tr>
<tr>
<td>Product Label</td>
<td>None</td>
</tr>
</tbody>
</table>
REGULATORY INFORMATION

TSCA STATUS: All ingredients are commercially available and listed by manufacturer. All ingredients are listed under TSCA.

SARA TITLE III (USA – Superfund Amendments and Reauthorization Act):
   - Section 302: Extremely Hazardous Substances: None
   - Section 311/312: Hazard Categories
     - Acute Health: YES
     - Chronic Health: NO
     - Fire: NO
     - Sudden Release of Pressure: NO
     - Reactive: NO
   - Section 313 REPORTABLE INGREDIENTS: None

CANADIAN STATUS: All materials contained in this product are listed on the Canadian Domestic Substances List. Consult Turtle Wax, Inc. regarding status of ingredients.

EUROPEAN UNION: All materials contained in this product are listed on EINECS.

STATE REGULATORY INFORMATION The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.