



# SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>Product:</b>	<b>KNIGHTSHIELD KS-5300</b>	<b>Part Number:</b> 9053000
<b>Manufacturer:</b>	<b>W. R. MEADOWS, INC.</b>	<b>Address:</b> 300 Industrial Drive Hampshire, Illinois 60140
<b>Telephone:</b>	(847) 214-2100	In case of emergency, dial (800) 424-9300 (CHEMTREC)
<b>Revision Date:</b>	4/3/2023	
<b>Product Use:</b>	Polysiloxane Coating	

### SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS

HMIS	HAZARD STATEMENTS
Health	<b>WARNING!</b>
Flammability	Causes skin irritation. <b>(Category 2)</b>
Reactivity	May cause an allergic skin reaction. <b>(Category 1B)</b>
	May cause acute toxicity. <b>(Category 4)</b>
	May cause organ damage through prolonged/repeated exposure. <b>(Category 2)</b>
	Combustible liquid.
	Causes serious eye irritation. <b>(Category 2)</b>
	<b>PRECAUTIONARY STATEMENTS</b>
	Avoid direct contact.
	Avoid breathing mists/sprays.
	<u>Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. Keep container tightly closed. Do not breathe fumes/mist/vapor/spray. Do not get in eyes, on skin, or on clothing. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.</u>



### SECTION 3: HAZARDOUS COMPONENTS

Chemical Name:	CAS Number	% by Weight	SARA 313	Vapor Pressure (mm Hg@20°C)	LEL (@25°C)
1. Butan-2-one-O,O',O''-(vinylsilyldiyl)trioxime	2224-33-1	1-5	No	N/A	N/A
2. Butan-2-one-O,O',O''(methylsilyldiyl)trioxime	22984-54-9	1-5	No	N/A	N/A
3. 3-Triethoxysilylpropan-1-amine	919-30-2	1-5	No	N/A	N/A

N/A: Not Applicable

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1966 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313."

### SECTION 4: EMERGENCY AND FIRST AID PROCEDURES

**EYE CONTACT:** If irritation develops/persists, move victim from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. Do not attempt to remove solids/semi-solids from the eyes. Seek immediate medical attention.

**SKIN CONTACT:** Remove contaminated shoes/clothing. Cleanse affected areas thoroughly by washing with mild soap and water. If irritation occurs/persists, seek medical attention. Do not reuse clothing unless thoroughly decontaminated.

**INHALATION:** If respiratory symptoms develop, move victim from exposure source and into fresh air. If symptoms persist, seek medical attention.

**INGESTION:** Do not induce vomiting. Vomiting will cause additional damage to the digestive tract. Wash mouth out with water and seek immediate medical attention. If vomiting spontaneously occurs, keep the head below the hips to prevent lung aspiration.

**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND CHRONIC:** See Section Eleven for Symptoms/Effects.

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## SECTION 5: FIRE AND EXPLOSIVES HAZARDS

**FLASHPOINT:** 190 °F  
**EXTINGUISHING MEDIA:** Water fog, foam, dry chemical, or carbon dioxide.  
**CHEMICAL/COMBUSTION HAZARDS:** Carbon monoxide, carbon dioxide, formaldehyde, and silicon dioxide.  
**PRECAUTIONS/PERSONAL PROTECTIVE EQUIPMENT:** Clear area of unauthorized/unprotected personnel. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH-approved self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Evacuate hazard area of unprotected personnel. Dike/contain spilled material. Take up with an appropriate absorbent and place in marked/sealed containers for proper disposal. Handle contaminated spill articles and rinsate as above.

## SECTION 7: HANDLING AND STORAGE

**SAFE HANDLING PROCEDURES:** Avoid direct contact.  
**SAFE STORAGE:** Keep containers closed when not in use. Store in cool/dry location.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name:	OSHA				ACGIH			
	PEL	PEL/CEILING	PEL/STEL	SKIN	TWA	TLV/CEILING	TLV/STEL	SKIN
1. Butan-2-one-O,O',O'' (vinylsilylidyne)trioxime	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
2. Butan-2-one-O,O',O''- (methylsilylidyne)trioxime	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
3. 3-Triethoxysilylpropan-1- amine	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E

*N/E: Not Established*

**ENGINEERING CONTROLS:** None normally required under normal use conditions.  
**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses, chemical-resistant gloves.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b> N/E	<b>VAPOR DENSITY:</b> N/D	<b>% VOLATILE BY VOLUME:</b> N/A
<b>EVAPORATION RATE:</b> N/A	<b>pH LEVEL:</b> N/D	<b>% VOLATILE BY WEIGHT:</b> N/A
<b>WEIGHT PER GALLON:</b> 8.25	<b>PRODUCT APPEARANCE:</b> Smooth, Viscous Liquid	<b>VOC CONTENT:</b> 53 g/L
<b>ODOR:</b> Mild Organic, Nearly Odorless	<b>ODOR THRESHOLD:</b> N/D	<b>MELTING/FREEZING POINT:</b> N/D
<b>FLASH POINT:</b> See Section 5	<b>FLAMMABILITY:</b> N/D	<b>UEL/LEL:</b> N/D
<b>VAPOR PRESSURE:</b> N/D	<b>RELATIVE DENSITY:</b> N/D	<b>SOLUBILITY:</b> N/D
<b>PARTITION COEFFICIENT:</b> N/D	<b>AUTOIGNITION TEMPERATURE:</b> N/D	<b>DECOMPOSITION TEMPERATURE:</b> N/D
<b>VISCOSITY:</b> N/D	<i>N/A: Not Applicable    N/D: Not Determined    N/E: Not Established</i>	

## SECTION 10: STABILITY/REACTIVITY

**STABILITY:** Stable. **HAZARDOUS POLYMERIZATION:** Will not occur.  
**CONDITIONS AND MATERIALS TO AVOID:** Oxidizing agents and high humidity conditions  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, and silicon dioxide. Formaldehyde may be generated at temperatures of 300 °F or above. Formaldehyde is carcinogenic, a respiratory sensitizer, and an irritant.

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<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>		
<b>EYE CONTACT:</b> Direct contact may cause mild to moderate eye irritation. Chemical burns are possible.		
<b>SKIN CONTACT:</b> Direct contact may result in mild to moderate irritation.		
<b>INHALATION:</b> At high concentrations transient central nervous system impacts are possible (headache, nausea, lightheadedness).		
<b>INGESTION:</b> May cause irritation of the digestive tract.		
<b>SIGNS AND SYMPTOMS:</b> Symptoms of eye irritation include pain, tearing, redness, and swelling. Symptoms of skin irritation include reddening, swelling, and rash.		
<b>AGGRAVATED MEDICAL CONDITIONS:</b> Pre-existing skin disorders may be aggravated by overexposure to this product.		
<b>OTHER HEALTH EFFECTS:</b> Contains less than one percent Octamethylcyclotetrasiloxane. This material is classified as a reproductive toxin. Methyl Ethyl Ketoxime is a curing by-product that is released when the coating comes in contact with humid air. Exposure levels should be kept below 3 ppm.		
<b>SECTION 12: ECOLOGICAL INFORMATION</b>		
<b>ECOTOXICITY:</b> N/E	<b>DEGRADABILITY:</b> N/E	<b>BIOACCUMULATIVE POTENTIAL:</b> N/E
<b>SOIL MOBILITY:</b> N/E	<b>OTHER ADVERSE EFFECTS:</b> N/E	<i>N/E: Not Established</i>
<b>SECTION 13: WASTE DISPOSAL INFORMATION</b>		
<b>WASTE DISPOSAL INFORMATION:</b> Non-hazardous waste when fully cured. Uncured product is suitable for incineration.		
<b>SECTION 14: TRANSPORTATION INFORMATION</b>		
<b>HAZARDOUS/NON-HAZARDOUS MATERIAL:</b> Non-hazardous material.		
<b>UN NUMBER:</b> None.	<b>HAZARD CLASS:</b> None.	<b>PACKING GROUP:</b> None.
<b>UN PROPER SHIPPING NAME:</b> None.		
<b>ENVIRONMENTAL HAZARDS:</b> Not determined.		
<b>BULK TRANSPORTATION INFORMATION:</b> Not applicable. Product not supplied in bulk form.		
<b>SPECIAL PRECAUTIONS:</b> None.		
<b>SECTION 15: REGULATORY INFORMATION</b>		
<b>OTHER REGULATORY CONSIDERATIONS:</b> None.		
<b>SECTION 16: OTHER INFORMATION</b>		
<b>PREPARATION DATE:</b>	4/3/2023	
<b>PREPARED BY:</b>	Dave Carey	

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*The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of this product described herein.*

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