




# SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product: **KNIGHTSHIELD KS-5900** Part Number: **9059000**  
 Manufacturer: **W. R. MEADOWS, INC.** Address: 300 Industrial Drive  
 Hampshire, Illinois 60140  
 Telephone: (847) 214-2100 In case of emergency, dial (800) 424-9300 (CHEMTREC)  
 Revision Date: 6/21/2023  
 Product Use: Roof Coating

### SECTION 2: HAZARDS IDENTIFICATION/EXPOSURE LIMITS

HMIS	HAZARD STATEMENTS
Health	1   <b>WARNING!</b>
Flammability	0   Causes skin irritation. <b>(Category 2)</b>
Reactivity	0   Causes serious eye irritation. <b>(Category 2A)</b>
Personal Protection	May cause an allergic skin reaction. <b>(Category 1)</b>
<b>PRECAUTIONARY STATEMENTS</b>	
Avoid direct contact.	
Avoid inhalation of mists/aerosols.	
Keep containers closed when not in use.	



### SECTION 3: HAZARDS COMPONENTS

Chemical Name:	CAS Number	% by Weight	SARA 313	Vapor Pressure (mm Hg@20°C)	LEL (@25°C)
1. Aluminum Hydroxide	21645-51-2	10-20	No	N/E	N/E
2. Titanium Dioxide	13463-67-7	5-10	No	N/E	N/E
3. Crystalline Silica	14808-60-7	0-1	No	N/E	N/E

*N/E: Not Established*

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:** Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek medical attention.  
**SKIN CONTACT:** Remove contaminated shoes/clothing. Wash material from skin using mild soap and water. If symptoms persist, seek medical attention.  
**INHALATION:** Remove victim to fresh air and treat symptomatically. If symptoms persist, seek immediate medical attention.  
**INGESTION:** Do not induce vomiting. If vomiting spontaneously occurs, keep the victim's head below the hips to prevent lung aspiration. Seek immediate medical attention.  
**MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND CHRONIC:** See Section Eleven for Symptoms/Effects.

### SECTION 5: FIRE AND EXPLOSIVES HAZARDS

**FLASHPOINT:** > 210 °F (Water-base product)  
**EXTINGUISHING MEDIA:** Water fog, foam, dry chemical, and carbon dioxide.  
**CHEMICAL/COMBUSTION HAZARDS:** Carbon monoxide, carbon dioxide, acrylic monomers, and incomplete combustion products.  
**PRECAUTIONS/PERSONAL PROTECTIVE EQUIPMENT:** Clear area of unprotected personnel. Fire-fighting protective equipment should include 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 the area of unprotected personnel. Wear appropriate personal protective equipment. Dike and contain. Soak up residue with an appropriate absorbent and place in sealed/marked containers for disposal.

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## SECTION 7: HANDLING AND STORAGE

**SAFE HANDLING PROCEDURES:** Avoid direct contact.

**SAFE STORAGE:** Keep containers closed when not in use. Protect product from freezing.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name:	OSHA				ACGIH			
	PEL	PEL/CEILING	PEL/STEL	SKIN	TWA	TLV/CEILING	TLV/STEL	SKIN
1. Aluminum Hydroxide	N/E	N/E	N/E	No	1 mg/m <sup>3</sup>	N/E	N/E	No
2. Titanium Dioxide*	N/A	N/A	N/A	No	N/A	N/A	N/A	No
3. Crystalline Silica*	N/A	N/A	N/A	No	N/A	N/A	N/A	No

*N/A: Not Applicable      N/E: Not Established      \*: Materials are in solution.  
 If dried/abraded, precautions against dust exposure should be taken.*

**ENGINEERING CONTROLS:** None required under normal use conditions.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses, chemical-resistant gloves.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>BOILING POINT:</b> 212 °F	<b>VAPOR DENSITY:</b> >1 (Air=1)	<b>% VOLATILE BY VOLUME:</b> N/D
<b>EVAPORATION RATE:</b> N/D	<b>pH LEVEL:</b> 9-10	<b>% VOLATILE BY WEIGHT:</b> N/D
<b>WEIGHT PER GALLON:</b> 11.25	<b>PRODUCT APPEARANCE:</b> Varies	<b>VOC CONTENT:</b> <50 g/L
<b>ODOR:</b> Mild Organic Amine	<b>ODOR THRESHOLD:</b> N/D	<b>MELTING/FREEZING POINT:</b> N/D
<b>FLASH POINT:</b> See Section 5	<b>FLAMMABILITY:</b> See Section 5	<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/D: Not Determined</i>	

## SECTION 10: STABILITY/REACTIVITY

**STABILITY:** Stable.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS AND MATERIALS TO AVOID:** None recognized

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, and incomplete combustion products.

## SECTION 11: TOXICOLOGICAL INFORMATION

**EYE CONTACT:** Direct contact may cause moderate to serious eye irritation. Aerosols/mists may also cause irritation.

**SKIN CONTACT:** Direct contact may result in mild to moderate irritation. Prolonged/repeated contact may result in skin sensitization.

**INHALATION:** Aerosols/mists may cause irritation of the respiratory tract.

**INGESTION:** May cause mild to moderate irritation of the digestive tract. Lung aspiration may result in serious injury to the respiratory tract.

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product.

**OTHER HEALTH EFFECTS:** None recognized.

## SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICITY:** N/E

**DEGRADABILITY:** N/E

**BIOACCUMULATIVE POTENTIAL:** N/E

**SOIL MOBILITY:** N/E

**OTHER ADVERSE EFFECTS:** N/E

*N/E: Not Established*

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<b>SECTION 13: WASTE DISPOSAL INFORMATION</b>		
WASTE DISPOSAL INFORMATION: Classified as a non-hazardous waste.		
<b>SECTION 14: TRANSPORTATION INFORMATION</b>		
HAZARDOUS/NON-HAZARDOUS MATERIAL: Non-hazardous.		
UN NUMBER: None.	HAZARD CLASS: None	PACKING GROUP: None
UN PROPER SHIPPING NAME: None.		
ENVIRONMENTAL HAZARDS: None recognized.		
BULK TRANSPORTATION INFORMATION: Not applicable. Product is not shipped in bulk configuration.		
SPECIAL PRECAUTIONS: Protect product from freezing.		
<b>SECTION 15: REGULATORY INFORMATION</b>		
OTHER REGULATORY CONSIDERATIONS: None		
<b>SECTION 16: OTHER INFORMATION</b>		
PREPARATION DATE:	6/21/2023	
PREPARED BY:	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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