

# MATERIAL SAFETY DATA SHEET

## \*\*\*\*\* SECTION 1 - COMPANY INFORMATION AND CHEMICAL PRODUCT \*\*\*\*\*

NAME: Knight Chemicals LLC  
ADDRESS: 7320 West Florist Avenue  
Milwaukee, WI 53218  
TELEPHONE: 414-461-0100  
FAX: 414-416-0903

EMERGENCY TELEPHONE NUMBER: Call Knight Chemicals LLC at 800-825-7650 for emergencies involving a spill, leak, fire, exposure, or accident.

Product Trade Name: WALK SAFE™ For Pets  
Common Name: UREA  
Chemical Type: Inorganic Chemical Fertilizer

## \*\*\*\*\* SECTION 2 – COMPOSITION INFORMATION \*\*\*\*\*

<u>Chemical Name and Synonyms</u>	<u>C.A.S. No.</u>	<u>Chemical Formula</u>	<u>Wt%</u>	<u>TLV</u>	<u>PEL</u>
Urea	57-13-6	CO(NH <sub>2</sub> ) <sub>2</sub>	98.7 1.3	NE	Not Available

## \*\*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*\*

Ingestion: Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.  
Inhalation: Dusty conditions may cause mechanical aggravation to respiratory mucous membranes.  
Eye Contact: Dust from this product may cause particulate discomfort to eyes.  
Skin Absorption: Not normally absorbed through the skin.  
Skin Contact: Slight dermal abrasion is possible with prolonged contact, especially around cuffs and collars.  
Effects of Overdose: Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention.

## \*\*\*\*\* SECTION 4 – FIRST AID MEASURES \*\*\*\*\*

Ingestion: If large amount is ingested, give 2-3 glasses of water and induce vomiting. Seek medical attention.  
Inhalation: Remove to fresh air. Seek medical attention if condition persists.  
Eyes: Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.  
Skin: Wash with soap and water. Seek medical attention if condition persists.  
Notes to Physician: Consult standard literature. Treatment based on the sound judgment of the physician and the individual reactions.

\*\*\*\*\* SECTION 5 – FIRE FIGHTING MEASURES \*\*\*\*\*

Extinguishing Media: Use media suitable to extinguish source of fire.  
Special Fire Fighting Procedures: Product is not combustible.  
Unusual Fire & Explosion Hazards: During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH<sub>3</sub>, SO<sub>x</sub>, PO<sub>x</sub> or CN.

\*\*\*\*\* SECTION 6 – ACCIDENTAL RELEASE MEASURES \*\*\*\*\*

Environmental Precautions: Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth.  
Steps to be taken in case material is released or spilled:  
Keep from entering waterways. Sweep up material and place in suitable container for use as a fertilizer or for disposal.

\*\*\*\*\* SECTION 7 – HANDLING AND STORAGE \*\*\*\*\*

Precautions to be taken in handling and storing:  
Store in a cool, dry area. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene.  
Keep out of the reach of children.

\*\*\*\*\* SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION \*\*\*\*\*

Ventilation Protection: Adequate ventilation.  
Respiratory Protection: Approved dust respirator when necessary.  
Protective Clothing: Normal clean work clothing.  
Eye Protection: In dusty conditions, safety glasses with side shields or goggles may be necessary.

\*\*\*\*\* SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*\*

Boiling Point:	Not applicable	Solubility in Water:	67 gm/100 gm H <sub>2</sub> O @ 32°F
Specific Gravity:	1.335	% Volatiles (by volume):	0
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	Not applicable
pH:	Not listed	Reaction with Water:	None
Appearance:	White prills or granules.		
Extinguishing Media:	Use media suitable to extinguish source of fire.		

\*\*\*\*\* SECTION 10 – STABILITY AND REACTIVITY \*\*\*\*\*

Stability (Normal Conditions): Stable  
Conditions to Avoid: Extremely high temperatures.  
Incompatibility (Material to Avoid): Strong oxidizing agents. Prolonged contact may cause oxidation unprotected metals.  
Hazardous Decomposition Products: During extremely high temperature fire conditions, the product may reach melting point and decompose to release NH<sub>3</sub>, SO<sub>x</sub>, PO<sub>x</sub> or CN.  
Hazardous Polymerization: Will not occur.

\*\*\*\*\* SECTION 11 – TOXICOLOGY INFORMATION \*\*\*\*\*

Acute Oral Toxicity: LD<sub>50</sub> (rat) is 14,300 mg/kg (ppm); not acutely toxic by oral exposure. (TFI Product Testing Results).  
Acute Aquatic Toxicity: Fish 96-hour LC<sub>50</sub> is greater than 9,100 mg/L (ppm); daphnia 24-hour EC<sub>50</sub>: greater than 10,000 mg/L. Non-toxic to aquatic organisms. (TFI Product Testing Results)

\*\*\*\*\* SECTION 12 – DISPOSAL CONSIDERATIONS \*\*\*\*\*

Waste Disposal Procedures: Pick up with a shovel and broom and use as a fertilizer by applying to soil using good agricultural and soil management.

\*\*\*\*\* SECTION 13 – TRANSPORTATION INFORMATION\*\*\*\*\*

Shipping name:	Not regulated by DOT		
Hazard Class:	None	C.A.S. Number:	57-13-6
Reportable Quantity (RQ):	None	D.O.T. Number:	None
Labels Required:	None	Haz Waste No:	None
Placard:	None	EPA Regist No:	None

\*\*\*\*\* SECTION 14 – REGULATORY INFORMATION\*\*\*\*\*

Carcinogenicity: by IARC?: Yes ( ) No (X) by NTP?: Yes ( ) No (X)  
Not on the 302 list of SARA reportable quantities.

\*\*\*\*\* SECTION 15 – OTHER INFORMATION\*\*\*\*\*

Flash Point (Test Method):	Non-flammable	Flammable Limits	Lower	Upper
Autoignition Temperature:	Not applicable	(% BY VOLUME)	N/A	N/A

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to be the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

