

## SAFETY DATA SHEET

COMPANY IDENTITY: Dharma Trading Co.

SDS DATE: 12/04/2013

PRODUCT IDENTITY: UREA

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.

THIS SDS COMPLIES WITH CFR 1910.1200 (HAZARD COMMUNICATIONS STANDARD)

IMPORTANT: Read this SDS before handling & disposing of this product.

Pass this information on to employees, customers, & users of this product.

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: UREA

SDS NUMBER: CR5977

COMPANY IDENTITY: Dharma Trading Co.

COMPANY ADDRESS: 1805 S. McDowell Blvd. Ext., Petaluma, CA 94954

COMPANY PHONE: 800-542-5227

EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)

CANUTEC: 1-613-996-6666 (CANADA)

### SECTION 2. HAZARDS IDENTIFICATION

#### HAZARD STATEMENTS:

**H100s = General, H200s = Physical, H300 = Health, H400s = Environmental**

- H315 Cause skin irritation.  
 H320 Causes eye irritation.  
 H333 May be harmful if inhaled.

#### PRECAUTIONARY STATEMENTS:

**P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal**

- P262 Do not get in eyes, on skin, or on clothing.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do – Continue rinsing.  
 P309+311 If exposed or you feel unwell: Call a POISON CENTER or doctor/physician.  
 P405+102 Store locked up. Keep out of reach of children.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	% by Weight
UREA	57-13-6	100

Trace components: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant Additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

#### SECTION 4. FIRST AID MEASURES

##### EYE CONTACT:

If this product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. Roll eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

##### SKIN CONTACT:

If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse.

##### INHALATION:

Move person to fresh air, if not breathing, give artificial respiration. Get medical attention.

##### SWALLOWING:

If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

##### NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of the label and SDS to physician or health professional with victim.

#### SECTION 5. FIRE FIGHTING MEASURES

##### FIRE & EXPLOSIONS PREVENTIVE MEASURES:

Isolate from extreme heat and open flame.

##### EXTINGUISHING MEDIA:

Use DRY chemical powder, LARGE FIRE: Use water spray, fog or foam. Do not use water jet..

##### SPECIAL FIRE FIGHTING PROCEDURES:

None.

##### PRODUCTS OF COMBUSTION:

These products are carbon oxides (CO,CO<sub>2</sub>), nitrogen oxides (NO,NO<sub>2</sub>...).

FLASH POINT: Not available.

AUTOIGNITION TEMPERATURE: Not available.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### SMALL SPILL:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

### LARGE SPILL:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## SECTION 7. HANDLING AND STORAGE

### PRECAUTIONS:

Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with the skin and eyes. Keep away from incompatibles such as oxidizing agents.

### STORAGE:

Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 23° C (73.4°F).

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### RESPIRATORY EXPOSURE CONTROLS:

A respiratory protective program that meets OSHA CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

### VENTILATION:

LOCAL EXHAUST: Necessary      MECHANICAL (General): Necessary

SPECIAL:                      None                      OTHER:                      None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

### PERSONAL PROTECTION:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

LARGE SPILLS: Full suit, dust respirator, boots, gloves, A self-contained breathing apparatus should be used to avoid inhalation of the product.

### WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers. Wash at the end of each work shift & before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

### EXPOSURE LIMITS:

Not available.

**SECTION 9. PHYSICAL & CHEMICAL PROPERTIES:**

APPEARANCE:	White, solid crystal
ODOR:	Almost odorless
ODOR THRESHOLD:	Not Available
Ph (Neutrality):	NA
MELTING POINT/FREEZING POINT:	132.7°C (270.9°F)
BOILING RANGE (IBP, 50%, Dry Point):	Not Applicable
FLASH POINT (TEST METHOD):	NA
EVAPORATION RATE (n-BUTYL ACETATE=1):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Non-Combustible
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Applicable
UPPER FLAMMABLE LIMIT IN AIR (% by vol):	Not Available
VAPOR PRESSURE (mm of Hg)@20 C:	Not Available
VAPOR DENSITY (air = 1):	Not Available
GRAVITY @ 68/68F / 20/20C:	
SPECIFIC GRAVITY (Water = 1):	1.323
WATER SOLUBILITY:	Complete
VISCOSITY (mPa.s):	N/A
AUTO IGNITION TEMPERATURE:	NA
DECOMPOSITION TEMPERAURE:	Not Available

**SECTION 10. STABILITY & REACTIVITY****STABILITY:**

Stable under most conditions.

**CONDITIONS TO AVOID:**

Isolate from extreme heat, and open flame.

**MATERIALS TO AVOID:**

Oxidizing agents may cause exothermic reactions.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

No decomposition if stored and applied as directed. Burning of the dried material can produce hydrogen chloride gas, nitrogen oxides (NO<sub>x</sub>), carbon oxide.

**HAZARDOUS POLYMERIZATION:**

Will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**LD50 Oral:** LD50/oral/rat 8471 mg/kg (estimated)

**CONDITIONS AGGRAVATED:**

None Known.

## CHRONIC HAZARDS

### CHRONIC TOXICITY:

In animals, effects have been reported on the following organs after ingestions: Gastrointestinal tract, heart, and kidney. Does levels producing these effects were many time a strong association between elevated blood pressure and prolonged dietary overuse. Related effects could occur in the kidneys.

### CARCINOGENICITY:

This product is not classified as a carcinogen by NTP, IARC or OSHA.

### MUTAGENIC DATA:

In vitro genetic toxicity studies were negative.

### DEVELOPMENTAL TOXICITY:

Did not cause birth defects or any other fetal effects in laboratory animals.

## SECTION 12. ECOLOGICAL INFORMATION

### ECOTOXICITY:

Not available.

BOD5 and COD: Not available.

### PRODUCTS OF BIODEGRADATION:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The product itself and its products of degradation are not toxic.

## SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If in doubt, contact appropriate agencies.

## SECTION 14. TRANSPORT INFORMATION

**UN/NA:** N/A

**Classification:** NON D.O.T REGULATED

**Proper Shipping Name:** WASTE WATER COMPOUND, NON D.O.T. REGULATED

**D.O.T Hazard Name (49CFR 172.101):** NONE

**D.O.T. ID Number (49CFR 172.101):** NONE

**D.O.T. Hazard Class (49CFR 172.101):** NONE

**RCRA Hazard Class (40cfr261) (If discarded):** NONE

**E.P.A. Priority pollutants (40CFR 122.53):** NONE

### HAZARD RATINGS:

HEALTH (NFPA): 2, HEALTH (HMIS): 2, FLAMMABILITY: 1, PHYSICAL HAZARD: 0

(Personal Protection Rating to be supplied by user based on use conditions.)  
This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating system.

### NOTICE

All information, recommendations, and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources; however, C.C.I. makes no warranty, representation or guaranty as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product. Additional product literature may be available upon request. Since actual use by others is beyond our control, no warranty, express or implied is made by C.C.I. as to the effects of such use, the results to be obtained or the safety and toxicity of the product nor does C.C.I. assume any liability arising out of use by others of this product.



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