SAFETY DATA SHEET (SDS)

Date : 2017-10-11

SECTION 1 : IDENTIFICATION OF SUBSTANCE / COMPANY

BEST URINAL ENFORCER #98636

High performance urinal treatment

Company Identification:

UTILITY Enterprises, Inc.
700 Main Street
Westbury, NY 11590

24 Hour Emergency Telephone Number:

Infotrac: 1-800-535-5053

SECTION 2 : HAZARD(S) IDENTIFICATION

While this product is not considered hazardous , this SDS contains valuable information critical to the safe handling and proper use of the product . This SDS should be made available to users of this product . Prolonged or repeated skin contact in an occupational setting may result in irritation and in these situations, the use of chemical resistant gloves is recommended. This product is not regarded as a mutagen or carcinogen, and there is low concern for reproductive, developmental, or nervous system toxic effects.

Classification of the substance or mixture (GHS-US)

Skin Irritation 2	H315
Eye Damage 1	H318
Skin Sensitivity 1	H317

Label Elements

Hazard Pictograms (GHS-US Labeling).

Skin & Eye Irritant
Respiratory Tract Irritant

Signal Word Warning

Hazard Statements
H315 – May cause skin Irritation as a water diluted product .
H317 – May cause an allergic skin reaction .
H318 – May cause serious eye irritation as a diluted product .

Precautionary Statements
P261 – Avoid breathing dust / mist/ spray .
P264 - Wash hands and forearms thoroughly after handling
P280 – Wear protective gloves / eye protection
P302 + P352 – If on skin, wash with plenty of soap and water
P305+P351+P338 – If in eyes, rinse cautiously with water for several minutes .
If easy to do, remove contact lenses .Continue rinsing
P337+P313 – If eye irritation persists , get medical advice/attention .
P310 – Immediately call a poison center / doctor .
P332+P313 – If skin irritation occurs, get medical advice / attention
P333+P313 – If skin irritation or rash occurs, get medical advice / attention
P362+P364 – Take off contaminated / soiled clothes and wash before reuse
P501 – Dispose of contents / container in accordance with local / regional/ national / int'l regulations

Other Hazards : None
Ingredients with Unknown Acute Toxicity : Not Established

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS :

Chemical characterization : Diluted Mixture with water .
Hazardous Components :

Ingredient	CAS Number :	Percent :	OSHA / PEL :	ACGIH / TLV :
Carbamide (Urea) Hydrochloride	506 – 89 – 8	< 15%	NE	NE -- 5 ppm

NOTE : Approximate percentages – Exact percentages and identities are withhold as trade secrets

SECTION 4 : FIRST AID MEASURES

Description of Necessary Measures :
Relevant Routes of Exposure : Skin Contact , Eye Contact , Ingestion
Skin Contact : Classified as a skin irritant (as per the 1992 OECD Guideline for Chemical Testing , # 404 :"Acute Dermal Irritation / Corrosion ") Wash with plenty of soap and water ; followed by a warm water rinse . Apply a topical antiseptic agent to open wounds or broken skin . Remove contaminated clothing and shoes . Launder soiled , contaminated clothing before reuse . If skin irritation or rash persists , seek medical attention (P332+P313) .
Eye Contact : May cause serious eye irritation after prolonged exposure .Rinse cautiously with warm running water for 15 minutes , lifting upper and lower lids occasionally .. If easy to do, remove contact lenses .Continue water rinsing . (P 305+P351+P338 If eye irritation persists such as blinking , redness , or pain , seek medical attention . (P337 + P313).
Ingestion : May be harmful if swallowed . Do Not Induce vomiting unless advised by a physician or poison control center . If patient is fully conscious , continue to rinse mouth with water and drink 2-3 glasses of water .If adverse conditions persist , seek medical attention . Never give anything by mouth if victim is unconscious, rapidly losing consciousness , or is convulsing .Call a Poison Control Center / Doctor / Physician, if necessary (P312) .
Inhalation : May be irritating to respiratory system if inhaled as a mist .Move to fresh air . Keep individual at rest in a position comfortable for breathing .If not breathing, give artificial respiration . If breathing is difficult, administer oxygen and seek medical attention (P261) .
Note to Physicians (Both acute and delayed symptoms) : Breathing difficulty, coughing , cramp, nausea, acidosis, disorientation . Extreme caution regarding gastric perforation ; pulmonary edema ; impaired breathing ; & disturbed cardiac rhythm . Potential symptoms of poisoning may occur after several hours of exposure . It is advised that at least 48 hour medical observation take place after the incident , especially for pneumonia and pulmonary edema . In case of irritation to lungs, initially treat with cortical steroid inhalants .

SECTION 5 : FIRE FIGHTING MEASURES :

Suitable Extinquishing Media : Water Fog, Alcohol Foam, Dry Chemical
Unsuitable Extinquishing Media : None
Flammability : Not Flammable (Aqueous Solution)
Flashpoint (°F, °C , PMCC) : > 212°F

Special Hazards : Heating of mixture may produce Hydrogen Chloride (HCl) or other toxic fumes .
Special Protective Equipment for Fire Fighters : Wear self-contained Respiratory Protective Device . Wear fully protective suit .
Cool Endangered containers with water spray .

SECTION 6 : ACCIDENTIAL RELEASE MEASURES

Ventilate area with fresh air . In case of unusual, excessive chemical fumes, use a respiratory protective device . Exercise caution from slipping on leaked / spilled product .
Leak and Spill Procedure : Collect excess product for disposal . Clean up remaining product from spill with appropriate liquid-binding absorbent (ie : sand, diatomite , universal binders , sawdust) . For large spills , provide diking or other containment measures to prevent spreading . If diked product can be pumped, store recovered product in compatible drums for recovery or disposal . Clean area with warm water several times to prevent any future slip hazards . Observe personal protective equipment recommendations .
Environmental Precautions : Make best efforts to prevent entry into sewers and public waters. Take extreme measures to prevent large quantities of product to reach ground water, water course, or sewage system .

SECTION 7 : HANDLING & STORAGE REQUIREMENTS

KEEP OUT OF REACH OF CHILDREN
Precautions for Safe Handling : Read product literature, label , and SDS before use . Use product strictly according to label directions . Wash hands and other exposed areas with soap and water before eating, drinking, smoking; or when leaving work . Provide adequate ventilation in storage area to prevent formation of fumes . Avoid personal contamination, especially inhalation , after a spill .
Hygiene Measures : Wash hands and forearms thoroughly after handling . Launder soiled, contaminated clothing before re-use .
Safe Storage Conditions : Do Not Store in Metal , especially Aluminum containers . Keep in original container in a cool , well-ventilated place . Avoid storage near near extreme heat , ignition sources or open flames . Keep container tightly sealed when not in use .
Incompatible Products : Caustic Alkalis or other caustic solutions .
Incompatible Circumstances : Sources of Ignition (ie ; open flames) . Direct sunlight .

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Health & Safety : Derived from a blend of organic salts and degreasing agents
This diluted, finished product used as per label directions does not contain any relevant quantities of ingredients with critical values that have to be monitored at the workplace .
Engineering Controls : Adequate general ventilation
Personal Protective Equipment : Avoid unnecessary exposure . Otherwise, acid-resistant protective work clothing .
Respiratory Protection : May not be required under normal conditions of use with good ventilation . Wear appropriate mask or respiratory protective device when misted or fogged ; or when high concentrations are present . For unplanned spills, respiratory protection may be advisable .
Skin / Hand Protection : Wear chemical –resistant gloves (ie : rubber, butyl rubber, neoprene) . For skin and body protection , usually no protective clothing is required under normal ,stable conditions . Under unusual, unstable conditions , wear appropriate protective clothing .
Eye Protection : Wear chemical goggles or safety glasses . Avoid contact with eyes . Eye bath , safety shower should be available .
Other Information : DO NOT eat, drink, or smoke during use .

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid
Color : Clear - Amber
pH (as is) : 1.0 – 1.5
Relative Evaporation Rate (butyl acetate=1) : NA
Melting Point : Undetermined
Freezing Point : < 32 °**F**, < 0 °**C**
Boiling Point : >212 ° F
Flashpoint : > 200 ° F
Solubility in Water : 100 % Miscible
Evaporation Rate (Ethyl Ether=1 : Undetermined
Flammability : NA
Explosive Limits : Undetermined
Vapor Pressure : 23hPa (17mm Hg)
Relative Density : 1.100
Partition coefficient : (n-octanol/water) Undetermined
Auto-ignition Temperature : >500 °**F/ >260** °**C**
Decomposition Temp. : Undetermined
Specific Gravity (Water = 1) : @ 68°F **(20°C) :** 1.21

SECTION 10 : STABILITY AND REACTIVITY

Reactivity : No Additional Information Available **Chemical stability :** Stable under Normal Conditions in temperatures not to exceed > 230 °**F,** > 110 °**C .**
Possibility of Hazardous Reactions : Reacts with strong alkalis . Reacts with strong oxidizing agents . Reacts with reducing agents . Toxic fumes may be released if extremely heated . Corrosive action on metals . Small possibility of hydrochloric acid being formed in humid air .
Conditions to Avoid : Direct Sunlight . Extremely High or Low Temperatures
Incompatible Materials : Strong Acids/Strong Alkalis/Strong Oxidizing Agents
Hazardous Decomposition By-products : Chlorine gas may be released . Hydrogen chloride (HCl), carbon monoxide ; carbon dioxide; nitrogen oxides
Fumes Hazardous Polymerization : NA

SECTION 11 : TOXICOLOGICAL INFORMATION

Information on Toxicological Effects : Any hazards associated with this finished product are listed in SECTION 2 of this SDS . This product is not regarded as a mutagen or carcinogen, and there is low concern for reproductive, developmental, or nervous system toxic effects .
Likely Routes of Exposure (" Mineral X ") : Inhalation, Skin Contact , Eye Contact , Ingestion .
Inhalation : Slight irritant effect on mucous membranes, if inhaled . If an allergic reaction does occur , move individual to fresh air . If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.
Skin Contact : May be irritating with prolonged contact . In extreme cases , if " Redness " or Sensitization occurs through direct skin contact , seek the attention of a physician immediately
Eye Contact : Irritating Effect May Occur Through Direct Contact . In extreme cases , if "redness" and watering of eyes persists , seek the attention of a physician immediately
Ingestion : Swallowing will lead to a caustic effect on mouth and throat ; and to the danger of perforation of esophagus and stomach .
Symptoms Related to the Physical, Chemical, and Toxicological Characteristics : : Breathing difficulty, coughing , cramp, nausea, acidosis, disorientation . Extreme caution regarding gastric perforation ; pulmonary edema ; impaired breathing ; & disturbed cardiac rhythm . Potential symptoms of poisoning may occur after several hours of exposure . It is advised that at least 48 hour medical observation take place after the incident , especially for pneumonia and pulmonary edema . In case of irritation to lungs, initially treat with cortical steroid inhalants .

Acute Toxicity , Toxicological (see table below)

Measures of Acute Toxicity by Ingredients : The following Acute Toxicity Estimates (ATE) are calculated on this GHS document . Toxicological Data of complete product are not available .No classification on the basis of the calculation procedure of the preparation directive . Data not available or is insufficient for classification . The toxicity data listed pertaining to the ingredients are intended for those working in the medical professions , experts for occupational health and safety, and toxicologists . The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials . This finished product used as per label directions is not considered to be a harmful in the workplace by IARC, ACGIH, NTP, or OSHA .

Product / Ingredient Name : Carbamide (Urea) Hydrochloride (cas # 506-89-8)	Result :	Species :	Exposure :
	LD 50 Acute Dermal	Rabbit	> 2000 mg/kg
	LD 50 Acute Oral	Rat	> 1100 mg/kg

Symptoms Related To The Physical, Chemical and Toxicological Characteristics : Symptoms may include stinging, tearing, redness, swelling, and blurred vision. After extensive, prolonged exposure , permanent eye damage including blindness could result.
Available Delayed and Immediate Effects (Chronic Effects from Short and Long Term Exposure) : Warning after prolonged , extended skin absorption . toxic and / or corrosive effects may be delayed up to 48 hours after use .
Measures of Acute Toxicity : No Further Information Available
Teratogenicity, Mutagenicity : This product was not found to be mutagenic when tested by the Ames Assay , (OECD Guidellines for Testing of Chemicals, Section 471) .
Reproductive Toxicity : This product was not found to effect human reproduction when tested by the Ames Assay , (OECD Guidellines for Testing of Chemicals, Section 471) .
Specific Target Organ Toxicity (Single Exposure) : Not Classified
Specific Target Organ Toxicity (Repeated Exposure) : Not Classified
Carcinogenic Categories : None of the Ingredients are listed
Carcinogenicity : CAS# 506 – 89 – 8 Non-hazardous by WHMIS / OSHA Criteria .
ACGIH : Not listed
IARC : Not Listed
NTP : Not listed
Epidemiology : No human information available.
Neurotoxicity : No information available.

Aspiration Hazard : Not Classified
Potential Adverse Human Health Effects & Symptoms : Based on Available Data, the Classification Criteria are not met
Symptoms / Injuries After Inhalation : No adverse effects due to inhalation are expected.
Symptoms / Injuries After Skin Contact : After Prolonged Exposure, May Cause Serious Skin Irritation
Symptoms / Injuries after Eye Contact : After Prolonged Exposure, May Cause Serious Eye Damage

SECTION 12 : ECOLOGICAL INFORMATION

ENVIRONMENTAL ACCREDITATION : This diluted , finished product used as per label directions is not considered to be a harmful to human life or the environment .

ECOTOXICITY : The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and Degradability : Based on the biodegradability data of the components, this material is expected to be biodegradable.
Bioaccumulative Potential : This material does not contain chemicals that have known bioaccumulative potential.
Other adverse effects : No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Chemical Name :	Result :	Species :	Exposure :
Carbamide (Urea) Hydrochloride (cas # 506-89-8)	Acute LC 50	Daphnia	71 mg/ L , 48 hrs .

Finished product :
Persistance and Degradability .....Not Established

BIOACCUMULATIVE POTENTIAL :
finished product ....Not Established

TERRESTRIAL TOXICITY : .....No Additional Information Available
MOBILITY IN SOIL : .....No Additional Information Available
OTHER ADVERSE EFFECTS
Effect on Ozone Layer ....No Additional Information Available
Effect on Global Warming ....No Additional Information Available

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations : Dispose in safe manner in accordance with local / state/federal regulations . Dispose of contents / container in accordance with local / regional / national / international regulations . Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities while adhering to the necessary regulations .
Ecology – Waste Materials : Avoid release into environment .
Recommended Cleansing Agents : Water Only

SECTION 14 : TRANSPORT INFORMATION

Refer to current shipping paper for most up to date shipping information, including exemptions and special circumstances.
US Department of Transportation (DOT) finished product : Not DOT Regulated This product is not regulated when shipped according to Department of Transportation rules in the U.S.
Water Transportation (IMO) finished product : Not Regulated
Air Transportation (IATA) finished product : Not Regulated
NOTE : In full concentration, this material is corrosive to aluminum only . Non – corrosive to human skin and mild to most other metals .
Passenger and Cargo Aircraft -- Quantity limitation : 5 L
Cargo Aircraft Only-- Quantity limitation : 60 L
Passenger Aircraft -- Quantity limitation : 1 L
IATA UN number : Not Established
Note : As an acidic product , Corrosion rate of concentrated product : > 6.25 mmpy on aluminum
Exemption Section 173.154 Exceptions for Class 8 (corrosive materials) , Item (d) materials corrosive to aluminum and steel only
UN proper shipping name : (Carbamide (Urea) Hydrochloride -- cas # 506-89-8) Forbidden by Air
Environmental Hazards : Marine Pollutant (Yes / No) .....No
Special precautions for user : Read safety instructions , SDS and emergency procedures before handling .

SECTION 15 : REGULATORY INFORMATION

Safety, Health, and Environmental Regulations/Legislation specific for the substance or mixture . the ingredients of this product are NOT subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act. U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for any ingredients of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs. (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) : Not listed.
U.S. OSHA (Occupational Safety and Health Administration) : None of the Ingredients are listed **SARA 302 - Extremely hazardous substance :** No
SARA 311/312 -- Hazardous chemical : No
SARA 313 (TRI reporting) -- Not regulated.
U.S. CERCLA REPORTABLE QUANTITY (RQ) : Not applicable.
CERCLA Hazardous Substance List (40 CFR 302.4) : Not listed.
CERCLA (Superfund) reportable quantity : Not listed
TSCA (Toxic Substances Control Act) Section 8b .....All Ingredients are Listed
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) : Not regulated.
NTP (National Toxicity Program) : None of the Ingredients are listed
Other federal regulations :
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List : Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) : Not regulated.
Safe Drinking Water Act (SDWA) : Not regulated.
EPA (Environmental Protection Agency) .....Ingredients are Not Listed
California Safe Drinking Water and Toxic Enforcement Act (Proposition 65) : No ingredient of this product is on the California Proposition 65 lists . This finished product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.
Pennsylvania Right-to-Know Hazardous Substances : Not Regulated .
Massachusetts Right-to-Know Components : Not Regulated .
New Jersey Worker and Community Right-To-Know Act : Not Regulated
Pennsylvania Right-to-Know Hazardous Substances : Not Regulated .
Rhode Island Right-To-Know : Not Regulated .
Finished product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins .
Carcinogenic Categories :
Chemicals Known to Cause Cancer .....Ingredients are Not Listed
Chemicals Known to Cause Reproductive Toxicity for Females ..... Ingredients are Not Listed
Chemicals Known to Cause Reproductive Toxicity for Males ..... Ingredients are Not Listed
Chemicals Known to Cause Developmental Toxicity .....Ingredients are Not Listed

International Regulations : CANADA , EU-REGULATIONS .....No Additional Information Available
EINECS : This ingredient (cas # 506-89-8) is on the European Inventory of Existing Commercial Chemical Substances.
DSCL (EEC) : R36/37/38 - Irritating to eyes, respiratory system and skin ; S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately .
ADDITIONAL CANADIAN REGULATIONS :
WHMIS (Canada) : Not controlled under WHMIS (Canada).
CANADIAN DSL/NDSL INVENTORY STATUS : The components of this product are listed on the DSL Inventory.
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS : No component of this product is on the CEPA Priority Substances Lists.

SECTION 16 : OTHER INFORMATION

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. **UTILITY** urges the customers receiving this Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheets. The information herein has been compiled from sources believed to be reliable, up-to-date, and is accurate to the best of our knowledge. However, **UTILITY** cannot give any guarantees regarding information from other sources, and expressly does not make warranties, nor assumes any liability for its use.

Footnotes : CALC-Calculated; COR-Corrosive; CS-Cancer Suspect Agent; EST-Estimated; HMIS-Hazardous Material Identification System; NA-Not Applicable; ND-No Data ; NE – Data Not Established; OX- Oxidizer; PEL-Permissible Exposure Limit; PPI-Personal Protection Index ; STEL-Short Time Exposure Limit; TLV-Threshold Limit Value; TWA-Time Weighted Average