SAFETY DATA SHEET
Hardcore Labs, LLC
Hard Water & Scale Remover

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation:	Hard Water & Scale Remover
Date of Safety Data Sheet:	December 30, 2014
Use of Preparation:	Mineral Scale Remover
Company Identification:	Hardcore Labs, LLC 1346 W. 7800 S. West Jordan, UT 84088 Office: (801) 810-6885
Company Emergency Telephone Number	Emergency Phone: (801) 810-6885
Transportation Emergency Telephone Number	CHEMTREC (USA) 800-424-9300

2. HAZARD IDENTIFICATION

Acute Tox. 4 (Oral) H302
Eye Dam. 1 H318
STOT Not established
Label Elements
GHS-US Labeling
Hazard Pictograms (GHS) :

Signal Word (GHS) : Danger !
Hazard Statements (GHS) :
H302 - Harmful if swallowed
H318- Causes serious eye damage
H335 - May cause respiratory irritation
Non Corrosive to Skin*: (as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous Material Regulations, Canada's WHMIS regulations and TDG Regulations. Classified as a mild skin irritant as per the 1992 OECD Guideline for Testing of Chemicals, Number 404 "Acute Dermal Irritation/Corrosion.")*

Precautionary Statements (GHS-US) :
P260 - Do not breathe mist, spray, vapors.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear face protection, protective clothing, protective gloves, eye protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
P310 - Immediately call a POISON CENTER or doctor.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P321 - Specific treatment (see Section 4)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical blend

Ingredient	CAS #	% by Wt	Classification
Urea salt	HMIRA registration number 9207. Filing Date 2014-04-30	10-35	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 STOT Information not currently available.
Carbamide dihydrogen sulfate	21351-39-3	7-15	Not available
Disodium cocoamphodipropionate	68604-71-7	1-5	Acute Tox. 4 (Oral), H302 Eye Dam. 2, H319 STOT Information not currently available.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist consult physician.

Eye Contact: Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.

Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.

Notes to Physician: Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).

Unsuitable extinguishing media: None known.

Special exposure hazards

Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.
For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).
Emergency Procedures: Evacuate unnecessary personnel.
For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Stop leak if safe to do so. Ventilate area.
Environmental Precautions
Prevent entry to sewers and public waters.
Methods and Material for Containment and Cleaning Up
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.
Reference to Other Sections

See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid splashes or spray in enclosed areas.
Information about fire - and explosion protection:
Keep respiratory protective device available.
No special measures required.
Conditions for safe storage, including any incompatibilities
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Protect from humidity and water.
Unsuitable material for receptacle: steel.
Unsuitable material for receptacle: aluminium.
Avoid storage near extreme heat, ignition sources or open flame.
· **Information about storage in one common storage facility:**
Do not store together with alkaline products or strong acids.
Store away from oxidizing agents.
Store away from foodstuffs.
· **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.
Keep container tightly sealed.

·**Specific end use(s)** No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Use local exhaust or dilution ventilation.
Hand protection:	Chemical resistant gloves.
Eye protection:	Safety goggles or full face shield.
Skin protection:	Use body-covering impervious clothing.
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid.	**Specific Gravity:**	Not established.
Colour:	Water like to amber.	**Solubility in water:**	Soluble.
Odour:	Typical.	**%VOC**	0.0
pH:	1.3	**Flash point:**	Not applicable.
Boiling point/boiling range:	Not established.	**Inflammation:**	Not flammable.

10. STABILITY AND REACTIVITY

Reactivity
Chemical stability
Stable up to 110□C / 230□F
Thermal decomposition / conditions to be avoided:
No decomposition if used and stored according to specifications. Thermal decomposition may yield hydrofluoric acid, certain metalloid fluorides and oxides of carbon, nitrogen, and metalloids. Hydrogen cyanide may also be formed during combustion. Hydrogen gas may be released upon contact with certain metals, especially aluminum and zinc. Heating above 110□C results in an exothermic decomposition with rapid release of CO2 gas and potentially hydrofluoric acid.

Possibility of hazardous reactions
Conditions to avoid :
Heating above 110 C results in an exothermic decomposition with rapid release of CO2 gas and potentially hydrofluoric acid.

Incompatible materials:
Avoid contact with oxidizers, aluminum and zinc. This material may be extremely hazardous in contact with chlorates or nitrates. This material is acidic. Contact with hypochlorites (e.g. chlorine bleach, sulfides, or cyanides will liberate toxic gases. Contact with alkaline materials (e.g. aqua ammonia) will generate heat and may produce noxious gas. Do not mix with dehydrating agents such as acetic anhydride or concentrated sulfuric acid.
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Hazardous decomposition products:
Thermal decomposition may yield hydrofluoric acid, certain metalloid fluorides and oxides of carbon, nitrogen, and metalloids. Hydrogen cyanide may also be formed during combustion. Hydrogen gas may be released upon contact with certain metals, especially aluminum and zinc.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity:
LD/LC50 values relevant for classification:

Disodium cocoamphodipropionate
LD50 (Oral, rat): > 5mL/kg
LD50 (Oral,rat): 5628 mg/kg
LD50 (Dermal, rabbit): 15.8 g/kg

on the skin: Caustic effect on mucous membranes.
Non Corrosive to Skin*: (as defined and tested in accordance with the U.S. OSHA's Hazard Communication Standard, DOT Hazardous Material Regulations, Canada's WHMIS regulations and TDG Regulations. Classified as a mild skin irritant as per the 1992 OECD Guideline for Testing of Chemicals, Number 404 "Acute Dermal Irritation/Corrosion.")*
on the eye: Corrosive to eyes
Sensitization: No sensitizing effects known.
Additional toxicological information:
The product shows the following dangers according to the calculation method:
Corrosive
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12. ECOLOGICAL INFORMATION

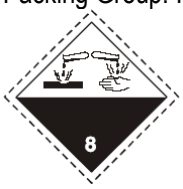
Toxicity:
Not classified
Persistence and Degradability Not available
Bioaccumulative Potential
Not available
Mobility in Soil
Not available
Other Adverse Effects
Other Information:
Avoid release to the environment.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.
Ecology – Waste Materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

Canadian T.D.G.: Regulated Material (quantity up to 5 litres can be shipped Limited Quantity)
Canadian T.D.G.: Regulated Material
Proper Shipping Name: Corrosive liquid, N.O.S.
Contains (acid salts)
Hazard Class: 8
ID Number: UN 1760
Packing Group: III



***Note: This material is corrosive to Aluminum only. Non-Corrosive to Skin & Mild Steel**
U.S. Department of Transportation: Not Regulated
Proper Shipping Name:
Hazard Class:
ID Number:
Packing Group

Water Transportation (IMDG): Regulated Material
Proper Shipping Name: Corrosive liquid, N.O.S.
Contains (acid salts)
Hazard Class: 8
ID Number: UN 1760
Packing Group: III

***Note: This material is corrosive to Aluminum only. Non-Corrosive to Skin & Mild Steel**

Air Transportation (IATA): Regulated Material
Proper Shipping Name: Corrosive liquid, N.O.S.
Contains (acid salts)
Hazard Class: 8
ID Number: UN 1760
Packing Group: III

***Note: This material is corrosive to Aluminum only. Non-Corrosive to Skin & Mild Steel**

15. REGULATION

Occupational Health & Safety Regulations:
WHMIS Classification: Class D - Division 2B, Class E NOTE-This material is corrosive to Aluminum only. Non-Corrosive to Skin & Mild Steel .

OSHA & WHMIS: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).
Environmental Regulatory Lists:
SARA: Section 313 (Toxic Chemical Release Reporting) 40 CFR 372 – None of the ingredients are listed.
Toxic Substances Control Act (TSCA): All the ingredients are listed on the Chemical Substance Inventory
Canadian Non-Domestic Substance List (NDSL): All ingredients are listed.
California Prop. 65
The following components of this product are substances, or belong to classes of substances, known to the state of California to cause cancer and/or reproductive toxicity: **Chemical Name: none**

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard
Reactive hazard
Urea, monohydrochloride (506-89-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
US State Regulations
Neither this product nor its chemical components appear on any US state lists.

16. OTHER INFORMATION

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.