

**SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

<b>PRODUCT NAME</b>	Mineral X	<b>ITEM</b> CMX-1 READY
<b>PRODUCT USE</b>	Iron & Mineral Cleaner	
<b>COMPANY NAME</b>	Core Products Co., Inc. 401 Industrial Rd Canton TX 75103	<b>Office</b> (800) 825-2673 <b>Fax</b> (903) 567-1346 <b>Web</b> <a href="http://www.coreproductscsco.com">www.coreproductscsco.com</a>
	<b>EMERGENCY TELEPHONE NUMBER</b>	<b>CHEMTREC (800) 424-9300</b>

**SECTION – 2 HAZARDS INFORMATION**

**Physical Hazards** CORROSIVE TO METALS-Category 1  
**Health Hazards** EYES-Category 1



**DANGER** May be corrosive to metals  
 Causes serious eye damage  
 Causes mild skin irritation, May be harmful if swallowed, Do not get in eyes, Avoid prolonged skin contact, and inhalation of mist, Use personal protective equipment as required, Wash thoroughly after handling, Avoid release into the environment, KEEP OUT OF REACH OF CHILDREN

**SECTION – 3 COMPOSITION INFORMATION** (Exact percentage of the listed chemicals of composition has been withheld as a trade secret)

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS #	IMPURITIES	PERCENT
Urea Monohydrochloride	Carbamide Hydrochloride	506-89-8		1 - 5%

**SECTION – 4 FIRST AID MEASURES**

**EYE CONTACT** Immediately flush eyes with cold water for at least 15 minutes while lifting upper and lower eyelids, Remove contact lenses if present and easy to do without injury to the eye and continue rinsing, If irritation persists obtain medical attention, preferably from an ophthalmologist

**SKIN CONTACT** Wash contaminated skin with plenty of soap and water, Remove any contaminated clothing and wash before reuse, If irritation is present or occurs obtain medical attention

**INHALATION** Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention

**INGESTION** DO NOT INDUCE VOMITING. If person is fully conscious, rinse mouth out and give one to two glasses of water to dilute and obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration into the lungs

**Aspiration Hazard** Not applicable

**ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE**

**Eyes** Causes serious eye irritation, redness, tearing, burning, pain, or possible eye damage

**Skin** Can cause mild skin irritation, drying or cracking

**Inhalation** Spray mist may cause mild irritation, to mucus membranes or respiratory tract

**Ingestion** May be harmful if swallowed, May cause irritation, of the mouth, and throat

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

**Eyes** Causes serious eye damage, redness, burning, severe pain, corneal injury, or vision impairment

**Skin** Causes mild skin irritation, defatting of the skin which may lead to dermatitis

**Inhalation** Spray mist may cause irritation, to mucus membranes or respiratory tract

**Ingestion** May cause irritation, of the mouth, throat, and esophagus, Symptoms may include, nausea, vomiting, abdominal pain

**SECTION – 5 FIRE FIGHTING MEASURES**

**Extinguishing Media** Not flammable: Use extinguishing media for surrounding fire

**Hazardous Decomposition** Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride, and other toxic fumes

**Reactive With** Reactive with, oxidizing agents, carbonates, oxidizing agents, nitrates, hypochlorites, alkaline materials

**Explosion Hazards** Not applicable

**Static Discharge** Not applicable

**Mechanical Impact** Not applicable

**Protective Equipment** Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

**SECTION – 6 ACCIDENTAL RELEASE MEASURES**

<b>Emergency Procedures</b>	Warn personnel of spill, Stop spill or release only if it can be done safely
<b>Personal Precautions</b>	Ventilate area, Avoid slipping on spilled product, Keep unprotected personnel from entering the hazard area
<b>Protective Equipment</b>	Safety Glasses, Chemical Gloves and Rubber Boots
<b>Containment</b>	Use rags or towels to prevent spill from spreading, Prevent spill from entering the environment
<b>Clean Up Procedures</b>	Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water
<b>Disposal</b>	Dispose of material in accordance with all State and Federal Guidelines and Regulations

**SECTION – 7 HANDLING AND STORAGE**

<b>Handling</b>	Use appropriate safety equipment, and adequate ventilation, Avoid eye and prolonged skin contact, Avoid eye contact, Avoid inhalation of mist, May be harmful if swallowed, Wash thoroughly after handling, Avoid release to the environment, Triple rinse container before discarding
<b>Storage</b>	Keep container closed when not in use, Store away from incompatible materials
<b>Incompatible Materials</b>	Incompatible with, oxidizing agents, chlorates, nitrates, hypochlorites, alkaline materials

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

CHEMICAL NAME	ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Significant Exposure
Urea Monohydrochloride	None	Established			ED

**PERSONAL PROTECTIVE EQUIPMENT**

Chemical Safety Glasses, Goggles or Face Shield



Impervious Chemical Gloves



Eye Wash (Recommended)

**Ventilation**

General Ventilation

**HMIS HAZARD RATINGS**

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

**SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Flash Point</b>	> 93.3°C (200°F) - TAG Closed Cup	<b>Specific Gravity / Density</b>	1.21
<b>Flammable Limits</b>	ND	<b>pH (± 0.3)</b>	1.0 - 1.5
<b>Auto-Ignition Temp.</b>	ND	<b>Viscosity</b>	ND
<b>Physical State</b>	Liquid	<b>Freeze Point</b>	0°C (32°F)
<b>Appearance</b>	Clear Amber	<b>Boiling Point</b>	100°C (212°F)
<b>Odor</b>	Mild	<b>Vapor Density (air=1)</b>	ND
<b>Odor Threshold</b>	ND	<b>Vapor Pressure (mm Hg)</b>	ND
<b>Solubility</b>	100%	<b>Evaporation Rate (nBuAc=1)</b>	ND
<b>Volatiles</b>	< 96%	<b>Partition Coefficient</b>	ND
<b>VOC</b>	0%	<b>Molecular Weight (g/mol)</b>	~ 23.60
<b>LVP-VOC</b>	0%	<b>Decomposition Temperature</b>	ND

**SECTION – 10 STABILITY AND REACTIVITY**

<b>Reactivity (Specific Test Data)</b>	No specific test data related to reactivity available for this product or its ingredients
<b>Chemical Stability</b>	Stable under normal ambient and anticipated conditions of use
<b>Hazardous Polymerization</b>	Will not occur
<b>Conditions To Avoid</b>	Incompatible materials
<b>Incompatible Materials</b>	Incompatible with, oxidizing agents, chlorates, nitrates, hypochlorites, alkaline materials
<b>Thermal Decomposition</b>	Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride

**SECTION – 11 TOXICOLOGICAL INFORMATION****ROUTES OF EXPOSURE**

Eyes (Yes), Skin (Yes), Inhalation (Yes "Mist"), Ingestion (Yes)

**ACUTE SYMPTOMS OF SINGLE OVEREXPOSURE**

**Eyes** Causes serious eye irritation, redness, tearing, burning, pain, or possible eye damage  
**Skin** Can cause mild skin irritation, drying or cracking  
**Inhalation** Spray mist may cause mild irritation, to mucus membranes or respiratory tract  
**Ingestion** May be harmful if swallowed, May cause irritation, of the mouth, and throat

**CHRONIC SYMPTOMS OF PROLONGED OR REPEATED OVEREXPOSURE**

**Eyes** Causes serious eye damage, redness, burning, severe pain, corneal injury, or vision impairment  
**Skin** Causes mild skin irritation, defatting of the skin which may lead to dermatitis  
**Inhalation** Spray mist may cause irritation, to mucus membranes or respiratory tract  
**Ingestion** May cause irritation, of the mouth, throat, and esophagus, Symptoms may include, nausea, vomiting, abdominal pain  
**Acute Tox Calculated** **Oral:** 16,260 mg/kg **Dermal:** > 5,000 mg/kg **Inhaled:** > 50.0 mg/L  
**Acute Tox Category** Not applicable (Oral >5000 mg/kg), Not applicable (Dermal > 5000 mg/kg), Not applicable (Inhaled >12.5 mg/L) Dust or Mist  
**Additional Info** INHALATION: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure  
**Target Organs** Eyes (Lens or cornea)  
**Medical Conditions** Preexisting, eye, disorders may be aggravated by exposure to this product  
**Notes to Physician** Treat symptoms

**CARCINOGENIC – This product contains concentrations above 0.1% of the following:**

<u>CHEMICAL NAME</u>	<u>NTP</u>	<u>ACGIH</u>	<u>IARC</u>	<u>GHS Category</u>
None Listed	NA	NA	NA	NA

**MUTAGENIC AND REPRODUCTIVE EFFECTS – This product contains concentrations above 0.1% of the following:**

<u>CHEMICAL NAME</u>	<u>Germ Cell Mutagenicity</u>	<u>Toxic to Reproduction</u>
None Listed	NA	NA

**COMPONENTS ACUTE TOXICITY**

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Form</u>	<u>Subject</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Urea Monohydrochloride	LD50	Oral	Rat	1,121 mg/kg		4 (>300, ≤2000 mg/kg)

**SECTION – 12 ECOLOGICAL INFORMATION**

<u>CHEMICAL NAME</u>	<u>Type</u>	<u>Subject</u>	<u>Subject Latin</u>	<u>Result Value</u>	<u>Exposure Time</u>	<u>GHS Category</u>
Urea Monohydrochloride	LC50	Rainbow Trout	(Oncorhynchus mykiss)	> 142 mg/L	96 Hours	4 (>100 mg/L)
	LC50	Water Flea	(Ceriodaphnia dubia)	71.1 mg/L	48 Hours	3 (>10, ≤100 mg/L)
<b>Presistence And Degradability</b>	No data available					
<b>Bioaccumulative Potential</b>	No data available					
<b>Mobility In Soil</b>	No data available					
<b>Other Adverse Effects</b>	May be harmful to aquatic organisms due to pH shift					

**SECTION – 13 DISPOSAL CONSIDERATIONS****DO NOT DUMP INTO ANY STORM SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER****Dispose of any waste in accordance with all State and Federal Guidelines and Regulations****ENVIRONMENTAL FATE**


Under RCRA rules, it is the responsibility of the user of the product to determine, at the time of disposal, whether the material is a hazardous waste.

CONTAINER DISPOSAL - Triple rinse container then offer for recycling. If not available, puncture and dispose in a sanitary landfill.

**SECTION – 14 TRANSPORT INFORMATION****DOT CLASSIFICATION**

<u>UN Number</u>		<u>Proper Shipping Name</u> n.o.s. ( Chemicals ) or "Limits"					
Not Regulated		Non Regulated Material *Exempt under DOT 49 CFR 173.154 (d) (1) or (2)					
<u>Hazard Class</u>	<u>Packing Group</u>	<u>Label Codes</u>	<u>Reportable Quantity (lbs)</u>	<u>Response</u>	<u>Marine Pollutant</u>	<u>Hazard Label</u>	<u>Secondary</u>
None	None	None	None	128	No		
<b>Additional Info:</b> Exemption (1): This material is corrosive to aluminum only. Not corrosive to mild steel or skin.							

**IATA CLASSIFICATION**

<u>UN Number</u>		<u>UN Proper Shipping Name</u> n.o.s. ( Chemicals ) or "Limits"					<u>Hazard Label</u>
UN 1760		Corrosive liquid n.o.s. (Urea Monohydrochloride)					
<u>Class</u>	<u>Packing Group</u>	<u>Enviro Hazard</u>	<u>ERG</u>	<u>Special Provisions</u>	<u>Labels Required</u>	<u>Subsidiary Risk</u>	<u>Hazard Label</u>
8	III	No	8L		Corrosive	-	

Special precautions / marking:

**SECTION – 15 REGULATORY INFORMATION**

<u>TSCA</u>															
<u>CHEMICAL NAME</u>	<u>Sec 8(b) Inventory</u>			<u>Sec 8(d) Health And Safety</u>			<u>Sec 4(a) Chemical Test Rules</u>			<u>Sec 12(b) Export Notification</u>					
Urea Monohydrochloride	Yes														
<u>REPORTABLE QUANTITIES</u>															
<u>CHEMICAL NAME</u>	<u>Extremely Hazardous</u>			<u>Reportable Quantity</u>			<u>Emission Reporting</u>								
None Listed	EPCRA TPQ Sec 302			EPCRA RQ Sec 304			CERCLA RQ Sec 103			TRI Sec 313			RCRA Code		RMP TQ Sec 112r
<u>SARA</u>															
<u>CHEMICAL NAME</u>	<u>Section 311</u>			<u>Section 311 / 312 Hazards</u>											
Urea Monohydrochloride	Hazardous Chemical			Acute			Chronic			Flammable			Pressure		Reactive
None Listed	Yes			Yes											
<u>RIGHT TO KNOW</u>															
<u>CHEMICAL NAME</u>	<u>STATE</u>														
None Listed	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI		
<u>CALIFORNIA</u>															
<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>WARNING! This product contains chemicals known to the state of California to cause:</u>													
None Listed		<u>Birth Defects</u>			<u>Reproductive Harm</u>			<u>Carcinogen</u>			<u>Developmental</u>				
<u>CLEAN AIR WATER ACTS</u>															
<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>Clean Air Acts</u>				<u>Clean Water Acts</u>									
None Listed		<u>HAP</u>		<u>Ozone Class 1</u>		<u>Ozone Class 2</u>		<u>HS</u>		<u>PP</u>		<u>TP</u>			
<u>INTERNATIONAL REGULATIONS</u> – The components of this product are listed on the chemical inventories of the following countries:															
<u>CHEMICAL NAME</u>	<u>Australia</u>	<u>Canada</u>	<u>Europe (EINECS)</u>			<u>Japan</u>	<u>Korea</u>	<u>UK</u>							
Urea Monohydrochloride	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
<u>WHMIS Classification</u>															
<u>CHEMICAL NAME</u>	<u>DSL</u>	<u>Class</u>	<u>Description</u>												
Urea Monohydrochloride	Yes	E	Corrosive Material												
		D-2B	Materials Causing Other Toxic Effects; Toxic Material												

**SECTION – 16 OTHER INFORMATION****SDS LEGEND DESCRIPTION**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists	<b>LC50</b>	A concentration that is lethal to 50% of a given species in a given time
<b>CAS</b>	Chemical Abstracts Service Registry	<b>LD50</b>	Dose that is lethal to 50% of a given species by a given route of exposure
<b>CEIL</b>	Ceiling Limit (15 minutes)	<b>LEL</b>	Lower Explosive Limit
<b>CERCL</b>	Comprehensive Environmental Response, Compensation, and Liability Act	<b>LD</b>	Liver Damage
<b>CI</b>	Cochlear Impairment	<b>NA</b>	Not Applicable
<b>CNS</b>	Central Nervous System	<b>ND</b>	Not Determined
<b>EC50</b>	Concentration of a chemical that gives half-maximal response	<b>NFPA</b>	National Fire Protection Association
<b>EPA</b>	Environmental Protection Agency	<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>Eye</b>	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	<b>NE</b>	Not Established
<b>FBG</b>	Full Bunker Gear	<b>NTP</b>	National Toxicology Program
<b>GHS</b>	Globally Harmonized System	<b>OSHA</b>	Occupational Safety and Health Administration
<b>HAP</b>	California Hazardous air pollutant Clean Air Act	<b>PEL</b>	Permissible Exposure Limit (OSHA)
<b>HMIS-A</b>	Safety Glasses	<b>PNS</b>	Peripheral Nervous System
<b>HMIS-B</b>	Safety glasses, gloves	<b>PP</b>	California Priority Pollutant under the Clean Water Act
<b>HMIS-C</b>	Safety glasses, gloves, chemical apron	<b>REL</b>	Recommended exposure limit (NIOSH)
<b>HMIS-D</b>	Face shield, gloves, chemical apron	<b>RT</b>	Upper Respiratory Tract
<b>HMIS-E</b>	Safety glasses, gloves, dust respirator	<b>Skin</b>	(SI = Irritation) (SD = Damage) (SA = Absorption) (SS = Sensitizer)
<b>HMIS-F</b>	Safety glasses, gloves, chemical apron, dust respirator	<b>SARA</b>	Superfund Amendments and Reauthorization Act
<b>HMIS-G</b>	Safety glasses, gloves, vapor respirator	<b>STEL</b>	Short Term Exposure Limit (15 minutes)
<b>HMIS-H</b>	Splash goggles, gloves, chemical apron, vapor respirator	<b>TC Lo</b>	Lowest concentration that is toxic to a given species in a given time
<b>HMIS-I</b>	Safety glasses, gloves, dust and vapor respirator	<b>TD Lo</b>	Lowest dose that is toxic to a given species
<b>HMIS-J</b>	Splash goggles, gloves, chemical apron, dust and vapor respirator	<b>TLV</b>	Threshold Limit Value (ACGIH)
<b>HMIS-K</b>	Air line hood or mask, gloves, full chemical suit, boots	<b>TP</b>	California Toxic Pollutant under the Clean Water Act
<b>HMIS-X</b>	Ask Supervisor	<b>TSCA</b>	Toxic Substances Control Act
<b>HS</b>	California Hazardous Substance under the Clean Water Act	<b>TWA</b>	Time Weighted Average (8 hours)
<b>KD</b>	Kidney Damage (nephropathy)	<b>UEL</b>	Upper Explosive Limit

**Core Products Co., Inc.**

and nCites LLC have compiled the information herein from sources believed to be reliable and up-to-date, and is accurate to the best of our knowledge. However, we cannot give any guarantees regarding information from other sources or the completeness and expressly do not make warranties, nor assume any liability for its use. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever for any and all injuries, losses, or damages to persons or property arising from the use of this product or information.

**Print Date** 12/18/2015

**Supersedes Safety Data Sheet Dated**