

SECTION – 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Mineral X	Item	CMX-1 READY
Product Use	Iron & Mineral Cleaner		
Company Name	Core Products Co., Inc. 401 Industrial Rd Canton TX 75103	Office	(800) 825-2673
		Fax	(903) 567-1346
		Web	www.coreproductsco.com

EMERGENCY TELEPHONE NUMBER CHEMTREC (800) 424-9300

SECTION – 2 HAZARDS INFORMATION

Pictogram



Signal Word Danger

Hazards	<u>PHYSICAL / HEALTH / ENVIRONMENTAL HAZARD STATEMENTS</u>	<u>HAZARD CATEGORY CLASSIFICATION</u>	<u>CODE</u>
	May be corrosive to metals	Category 1 Corrosive to Metals	H290
	Causes mild skin irritation	Category 3 Skin (Corrosion / Irritation)	H316
	Causes serious eye damage	Category 1 Eye (Damage / Irritation)	H318

Precautions	<u>HANDLING / PROTECTION / FIRE / STORAGE / DISPOSAL</u>	<u>CODE</u>
	Keep out of reach of children	P102
	Read label before use	P103
	Avoid breathing dust / fume / gas / mist / vapours / spray	P261
	Do not get in eyes, on skin, or on clothing	P262
	Wash thoroughly after handling	P264
	Do not eat, drink or smoke when using this product	P270
	Use personal protective equipment as required (See Section - 8)	P281
	Dispose of material in accordance with all State and Federal Guidelines and Regulations	P501

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

<u>CHEMICAL NAME</u>	<u>COMMON NAME AND SYNONYMS</u>	<u>CAS #</u>	<u>IMPURITIES</u>	<u>PERCENT</u>
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, Obtain immediate medical attention, preferably from an ophthalmologist or Emergency Room
Skin Contact	Wash with soap and water, If irritation is present or occurs obtain medical attention
Inhaled	Move person to fresh air, if they have problem breathing, show signs of overexposure or feel unwell obtain medical attention
Ingested	DO NOT INDUCE VOMITING, rinse mouth with water, and drink small quantities of water, Call a physician, or poison control center, and get medical attention, If victim feels nauseous stop drinking, If vomiting occurs, keep head below hips to prevent aspiration into the lungs
Important Effects	Exposure may affect, mucous membranes, upper respiratory tract
Important Symptoms	Symptoms may include, eye, skin or respiratory irritation

SECTION – 5 FIRE FIGHTING MEASURES

Extinguishing Media	Not flammable: Use extinguishing media for surrounding fire
Explosion Hazard	Not applicable
Hazardous Decomposition	Burning or thermal decomposition can produce, aldehydes, carbon dioxide, carbon monoxide, hydrogen chloride gas, nitrogen oxides, unburned hydrocarbons
Protective Equipment	Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear

SECTION – 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Warn personnel of spill, Stop spill or release only if it can be done safely, Ventilate area, Keep unprotected personnel from entering the spill area
Personal Precautions	Follow all safety precautions, Wear Personal Protective Equipment, Do not walk through spill
Protective Equipment	Safety Glasses, Chemical Gloves, Rubber Boots
Containment	Use rags, towels, absorbent socks or pads to prevent spill from spreading, Prevent spill from spreading or entering the environment
Clean Up Procedures	Small Spills: Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water, Large Spills: Absorb spill with inert material, place in a chemical waste container, mop area with clean water
Disposal	Dispose of material in accordance with all State and Federal Guidelines and Regulations

SECTION – 7 HANDLING AND STORAGE

Handling	Do not get in eyes, on skin, or clothing, Use appropriate safety equipment, and adequate ventilation, Do not smoke, eat or drink while using, Wash thoroughly after handling, Avoid release to the environment, Empty containers retain product residue (vapors, liquid or solids) observe all precautions when handling
Storage	Keep container closed when not in use, Keep only in original container, Store away from incompatible materials
Incompatible Materials	Incompatible with, alcohols, amines, bases, chlorates, hypochlorites, hexalithium disilicide, metal acetylides, nitrates, oxidizing agents, permanganates, alkaline earth metals

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 PROTECTION

HMIS HAZARD RATINGS	
Health	2
Flammability	0
Reactivity	0
Personal Protection	B

Eyes	Wear safety glasses with side protection when handling / using this material
Hands	Wear impervious gloves when handling / using this material
Response	Access to an eye wash station is a recommended safety precaution for handling / using this type of material
Ventilation	General Ventilation

SECTION – 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	> 93.3°C (200°F) - TAG Closed Cup	Specific Gravity / Density	1.21
Flammable Limits (v)	ND	pH (± 0.3)	1.0 - 1.5
Auto-Ignition Temp.	ND	Viscosity (mm²s / cSt)	ND
Physical State	Liquid	Melting Point	0°C (32°F)
Appearance	Clear	Boiling Point	100°C (212°F)
Odor	Mild	Vapor Density (air=1)	ND
Odor Threshold	ND	Vapor Pressure (mmHg)	ND
Solubility	100%	Evaporation Rate (nBuAc=1)	ND
Volatiles	< 96%	Partition Coefficient	ND
VOC	0.0%	Molecular Weight (g/mol)	~ 23.60
LVP-VOC	0.0%	Decomposition Temperature	ND

SECTION – 10 STABILITY AND REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients
Chemical Stability	Stable under normal ambient and anticipated conditions of use
Hazardous Polymerization	Will not occur
Conditions To Avoid	Incompatible materials
Incompatible Materials	Incompatible with, alcohols, amines, bases, chlorates, hypochlorites, hexalithium disilicide, metal acetylides, nitrates, oxidizing agents, permanganates, alkaline earth metals
Hazardous Decomposition	Burning or thermal decomposition can produce, aldehydes, carbon dioxide, carbon monoxide, hydrogen chloride gas, nitrogen oxides, unburned hydrocarbons

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 be harmful if swallowed, Ingestion may affect, mucous membranes, gastrointestinal tract, stomach, Symptoms may include, nausea, vomiting, abdominal pain

Acute Tox Calculated Oral: > 5,000 mg/kg Dermal: > 5,000 mg/kg Inhaled: > 12.5 mg/L

Acute Tox Category Not applicable (Oral >2,000 mg/kg), Not applicable (Dermal >2,000 mg/kg), Not applicable (Inhaled >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, skin, respiratory, 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)

Presistence And Degradability This product is readily biodegradable according to the OECD definition

Bioaccumulative Potential There is no evidence to suggest bioaccumulation will occur

Mobility In Soil This material is a mobile liquid

Other Adverse Effects May be harmful to aquatic organisms due to pH shift

SECTION – 13 DISPOSAL CONSIDERATIONS

Disposal Statement 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

Container Disposal Empty containers retain product residue (vapors, liquid or solid) observe all precautions when handling, Triple rinse empty container then offer for recycling. If not available, puncture and dispose in a sanitary landfill

Material Disposal This material as supplied, when discarded or disposed of, is a hazardous waste according to Federal Regulations (40 CFR 261) due to its composition containing in some or all of its components, 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, Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate

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

Ltd Qty

Proper Shipping Name n.o.s. (Chemicals) or "Limits"

"Limited Quantity"(Urea Monohydrochloride)

Hazard Class	Packing Group	Label Codes	Reportable Quantity (lb)	Response	Marine Pollutant	Hazard Label	Secondary
None	None	None	None	154	No		

Additional Info:

IATA CLASSIFICATION**UN Number**

UN 1760

UN Proper Shipping Name n.o.s. (Chemicals) or "Limits"

Corrosive liquid n.o.s. (Urea Monohydrochloride)

Class	Packing Group	Enviro Hazard	ERG	Special Provisions	Labels Required	Subsidiary Risk	Hazard Label
8	III	No	8L		Corrosive	-	

Special precautions / marking:

SECTION – 15 REGULATORY INFORMATION**TSCA**

CHEMICAL NAME	Sec 8(b) Active Inventory	Sec 8(d) Health And Safety	Sec 4(a) Chemical Test Rules	Sec 12(b) Export Notification
Urea Monohydrochloride	Yes			

Urea Monohydrochloride	Yes					
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REPORTABLE QUANTITIES

Extremely Hazardous

Reportable Quantity

Emission Reporting

CHEMICAL NAME	EPCRA TPQ Sec 302	EPCRA RQ Sec 304	CERCLA RQ Sec 103	TRI Sec 313	RCRA Code	RMP TQ Sec 112r
None Listed						

None Listed						
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SARA

Section 311

Section 311 / 312 Hazards

CHEMICAL NAME	Hazardous Chemical	Acute	Chronic	Flammable	Pressure	Reactive
Urea Monohydrochloride	Yes	Yes				

Urea Monohydrochloride	Yes	Yes				
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RIGHT TO KNOW

STATE

CHEMICAL NAME	CA	CT	FL	IL	LA	NJ	NY	PA	MI	MN	MA	RI	WI
None Listed													

None Listed													
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CALIFORNIA

WARNING: This Product can expose you to chemicals (Listed below) known to the State of California to cause cancer, birth defects or reproductive harm. For more information go to www.P65Warnings.ca.gov

CHEMICAL NAME	CAS #	Birth Defects	Reproductive Harm	Carcinogen	Developmental
Ethylene Oxide < 0.0001%	75-21-8		Yes	Yes	Yes

CLEAN AIR WATER ACTS

Clean Air Acts

Clean Water Acts

CHEMICAL NAME	CAS #	HAP	Ozone Class 1	Ozone Class 2	HS	PP	TP
Ethylene Oxide < 0.0001%	75-21-8				Yes		

Ethylene Oxide < 0.0001%	75-21-8				Yes		
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INTERNATIONAL REGULATIONS – The components of this product are listed on the chemical inventories of the following countries:

CHEMICAL NAME	Australia	Canada	Europe (EINECS)	Japan	Korea	UK
Urea Monohydrochloride	Yes	Yes	Yes	Yes	Yes	Yes

Urea Monohydrochloride	Yes	Yes	Yes	Yes	Yes	Yes
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SECTION – 16 OTHER INFORMATION**SDS LEGEND DESCRIPTION**

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

Core Products Co., Inc.

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