

## SAFETY DATA SHEET

SECTION -1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION TEM CMX-1 READY PRODUCT USE Thin 5. Mineral X TEM CMX-1 READY TEM CMX-1	PRODUCTS COM	IPANY				Mineral 2	(			Revision Date	12/14/2015	
PRODUCT NAME       Mineral X       ITEM CMX:1 READY         PRODUCT USE       Iron & Mineral Cleaner       COMPANY NAME       Core Products Co., Inc.       Office       (800) 825-2873         401       Industrial Rd       Fax       (800) 825-2873       Emergency TELEPHONE NUMBER       CHEMTREC (800) 424-8300         SECTION - 2       HAZAROS INFORMATION       EMERGENCY TELEPHONE NUMBER       CHEMTREC (800) 424-8300         SECTION - 2       HAZAROS INFORMATION       CHEMTREC (800) 424-8300       Emergency TELEPHONE NUMBER       CHEMTREC (800) 424-8300         SECTION - 2       HAZAROS INFORMATION       CHEMTREC (800) 424-8300       Emergency TELEPHONE NUMBER       Chemtrec (800) 424-8300         SECTION - 3       COMROSET TO MELAS-Cleagory 1       Exection 1       Emergency TELEPHONE NUMBER       Emergency	SECTION – 1	CHEMICA	L PRODUC	T AND C	OMPANY IDENT		<b>`</b>			Revision Date	12/14/2013	
PRODUCT USE       Iron & Mineral Cleaner         COMP AVEAUE       Core Products Co., Inc.       Prox       (903) 567-1346         Canton       TX       75103       Web       www.coreproductsco.com         EMERCENCY TELEPHONE NUMBER       CHEMTRECC (900) 424-9300         SECTION - 2       N42ADSIS INFORMATION       ChEMTRECC (900) 424-9300         SECTION - 3       CONMOSING TO METALS-Category 1       Consiste to Maleis Epe tomage         Causes enicus eye damage       Causes nicit skin initiation, May be harmful if swallowed, Do not get in eyes, Avoid protonged skin contact, and inhalation on the Use processing proteiner equipment as required. Wash thoroughly after handling. Avoid release into the environment. FEEP OUT OF FEACH OF CHLDREN         SECTION - 4       COMMON NARE AND SYNONYM       CAS #       IMPURITIES       FEECENT         Lenk Marchapter Server and protective equipment as required. Wash thoroughly after handling. Avoid release into the environment. FEEP OUT OF FEACH OF CHLDREN       Section - 4       IMPURITIES       FEECENT         SECTION - 4       FEET ALD MEASURES       Section - 4       Section - 4       Section - 4       Section - 4										ITEM CM	X-1 READY	
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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         Accure       SYMPTOMS OF SINGLE OVEREXPOSURE         Eyes       Causes serious eye irritation, redness, tearing, burning, pain, or possible eye damage         Skin       Cause mild skin irritation, dring 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         Skin       Causes serious eye damage, redness, burning, severe pain, corneal injury, or vision impairment         Skin       Causes 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, 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, ot the mouth, throat, and esophagus, Symptoms may include, nausea, vomiting, abdominal pain         Strin	SKIN CONTACT	Wash	contamin	ated ski	n with plenty of	soap and wat		any contaminat	ted clothing	and wash befor	e reuse, lf	
dilute and obtain immediate medical attention. If vomiting occurs, keep head below hips to prevent aspiration into the lungs         Aspiration       Not applicable         Aspiration       SYMPTOMS OF SINGLE OVEREXPOSURE         Eyes       Causes serious eye irritation, redness, tearing, burning, pain, or possible eye damage         Skin       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         CHRONC       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       Aye ause irritation, of the mouth, throat, and esophagus, Symptoms may include, nausea, vomiting, abdominal pain         Stringuistry       Not flammable: Use extinguishing media for surrounding fire         Hazardo       Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride, and other toxic fumes         Reactive With       Keactive with, oxidizing agents, nitrates, hypochlorites, alkaline materials         Explosion Hazards	INHALATION	Move	person to					igns of overexpo	osure or fee	l unwell obtain r	nedical	
Aspiration Hazard       Not aplicable         ACUTE       SYMPTUS 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       SYMPTUS 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         Skin       May cause irritation, of the mouth, throat, and esophagus, Symptoms may include, nausea, vomiting, abdominal pain         Storing.       Not flammable: Use extinguishing media for surrounding fire         Hazardous Decomption       Reactive with, oxidizing agents, carbonates, oxidizing agents, nitrates, hypochlorites, alkaline materials         Explosion Hazards       Not applicable         Static Discharge       Not applicable	INGESTION	dilute										
ACUTE       SYMPTOWS 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         CHRONC       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         Ingeston       May cause irritation, ot mucus membranes or respiratory tract         Ingeston       May cause irritation, ot the mouth, throat, and esophagus, Symptoms may include, nausea, vomiting, abdominal pain         SECTION - 5       FIE 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 choirde, and other toxic fumes         Reactive With       Reactive with, oxidizing agents, carbonates, oxidizing agents, nitrates, hypochlorites, alkaline materials         Explos	Aspiration Hazard	0	oplicable									
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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       FIEFEHTING 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	Inhalation					-	ranes or res	spiratory tract				
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SECTION - 5FIRE FIGHTING MEASURESExtinguishing MediaNot flammable: Use extinguishing media for surrounding fireHazardous DecompositionBurning or thermal decomposition can produce, carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride, and other toxic fumesReactive WithReactive with, oxidizing agents, carbonates, oxidizing agents, nitrates, hypochlorites, alkaline materialsExplosion HazardsNot applicableStatic DischargeNot applicableMechanical ImpactNot applicable	Inhalation											
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Explosion HazardsNot applicableStatic DischargeNot applicableMechanical ImpactNot applicable			bsition Burning or thermal decomposition can produce, carbon monoxide, carbon dioxide, n					trogen oxides, h	ydrogen			
Static Discharge     Not applicable       Mechanical Impact     Not applicable	Reactive With					carbonates, o	xidizing age	ents, nitrates, hy	pochlorites,	alkaline materia	als	
Mechanical Impact Not applicable	Explosion Hazard	ls	Not appli	icable								
	Static Discharge		Not appli	icable								
Protective Equipment Use MSHA/NIOSH approved self-contained breathing apparatus and full protective gear	Mechanical Impac	ct	Not appli	icable								
	Protective Equipr	nent	Use MSH	HA/NIOS	H approved se	lf-contained b	reathing app	paratus and full	protective g	ear		

Page 2 of 5 SECTION – 6 ACC		AL RELEASE MEASURES	Mineral X		Revision Date	12/14/2015			
Emergency Procedure Personal Precautions	:5	Warn personnel of spill, Stop s		-	al from ontoring the hor	and ano a			
Personal Precautions Protective Equipment		Ventilate area, Avoid slipping on spilled product, Keep unprotected personnel from entering the hazard area Safety Glasses, Chemical Gloves and Rubber Boots							
Containment		•		ovent anill from enterin	a the environment				
Clean Up Procedures		Use rags or towels to prevent s		-	-				
Disposal		Use wet vacuum or mop and wringer to pick up spilled material then mop area with clean water Dispose of material in accordance with all State and Federal Guidelines and Regulations							
-		AND STORAGE							
Handling		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							
Storage		Keep container closed when no	ot in use, Store away fr	om incompatible mate	erials				
Incompatible Materials		Incompatible with, oxidizing age		s, hypochlorites, alkali	ne materials				
SECTION – 8 EXP	POSUR	E CONTROLS / PERSONAL PROTE	ECTION						
EXPOSURE LIMITS						Significant			
CHEMICAL NAME		ACGIH (TWA 8)	ACGIH (STEL)	OSHA PEL (TWA 8)	OSHA (CEIL)	Exposure			
Urea Monohydrochlorid	le	None Established				ED			
Chemical Safety Glasses Goggles or Face Shield		Impervious . Chemical Gloves			. Eye W (Recomm				
General Ver	ntilatio	n			<u>HMIS HAZARD</u> Health Flammability Reactivity Personal Protection	2 0 0 B			
SECTION – 9 PHY	/SICAL	AND CHEMICAL PROPERTIES							
Flash Point	> 93.3	3ºC (200ºF) - TAG Closed Cup	Specific C	Gravity / Density	1.21				
Flammable Limits	ND		pH (± 0.3)		1.0 - 1.5				
Auto-Ignition Temp.	ND		Viscosity	1					
Physical State Appearance	Liquic	Amber	Freeze Po Boiling Po		0°C (32°F) 100°C (212°F)				
Odor	Mild	Ander	-	nsity (air=1)	ND				
Odor Threshold	ND		•	essure (mm Hg)	ND				
Solubility	100%			on Rate (nBuAc=1)	ND				
Volatiles	< 96%	, D	Partition (	Coefficient	ND				
VOC	0%			·Weight (g/mol)	~ 23.60				
LVP-VOC	0%		Decompo	sition Temperature	ND				
		AND REACTIVITY							
Reactivity (Specific Test Da	ita)	No specific test data related to r	-		edients				
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, oxidizing agents, chlorates, nitrates, hypochlorites, alkaline materials							
Thermal Decompositio	n	Burning or thermal decomposition chloride	on can produce, carbo	n monoxide, carbon d	ioxide, nitrogen oxides, h	lydrogen			

Page 3 of 5		Mineral X					ision Date	12/14/2015		
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 seri	ious eye da	mage, redness,	, burning, severe pain,	corneal injury, or	vision impairment				
Skin	Causes mile	d skin irritat	ion, defatting of	the skin which may lea	d to dermatitis					
Inhalation	Spray mist i	may cause	irritation, to muc	cus membranes or resp	iratory tract					
Ingestion	May cause	irritation, of	the mouth, thro	oat, and esophagus, Sy	mptoms may inc	lude, nausea, vomi	ting, abdom	ninal pain		
Acute Tox Calculated	I 0	ral: 10	6,260 mg/kg	Dermal: >	5,000 mg/kg	Inhaled:	> 50.0 r	ng/L		
Acute Tox Category			• • •	plicable (Dermal > 5000 m	• •		,			
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, disor	ders may be ag	gravated by exposure t	o this product					
Notes to Physician	Treat symp	toms								
CARCINOGENIC – Th	is product co	ntains conc	entrations above	e 0.1% of the following:						
CHEMICAL NAME	<u>NTP</u>		<u>AC</u>	GIH	IARC GHS Categ		S Category			
None Listed	NA		NA		NA	NA				
MUTAGENIC AND RE	PRODUCTIVE	EFFECTS	- This product co	ontains concentrations a	bove 0.1% of the	following:				
CHEMICAL NAME	Germ	Cell Mutage	enicity		Toxic to Repro	oduction				
None Listed	NA				NA					
COMPONENTS ACUT	<u>E TOXICITY</u>									
CHEMICAL NAME		<u>Type</u>	<u>Form</u>	Subject	Result Value	Exposure Time	<u>GHS C</u>	ategory		
Urea Monohydrochlorid	de	LD50	Oral	Rat	1,121 mg/kg		4 (>300, ≤2	2000 mg/kg)		
SECTION – 12 ECOLOGICAL INFORMATION										
CHEMICAL NAME		<u>Type</u>	<u>Subjec</u>	t Subject Latin	Result Val	ue Exposure Time	GHS	Category		
Urea Monohydrochloride		LC50 LC50		t (Oncorhynchus mykiss) a (Ceriodaphnia dubia)	> 142 mg 71.1 mg	,	•	100 mg/L) , ≤100 mg/L)		
Presistence And Deg	radability	ty No data available								
Bioaccumulative Potential		No data available								
Mobility In Soil		No data available								
Other Adverse Effect	s	May be ha	armful to aquation	c organisms due to pH	shift					

Page 4 of 5	Mineral X		Revision Date	12/14/2015
SECTION – 13 DISPOSA				
Dispose of any waste in a	STORM SEWERS, ON THE GROUND, OR INT ccordance with all State and Federal Guidelin			
	responsibility of the user of the product to detern	nine, at the time of disposal,	whether the material is	а
hazardous waste.				<b>6</b> 11
	Triple rinse container then offer for recycling. If no	ot available, puncture and di	ispose in a sanitary land	TIII.
SECTION – 14 TRANSPO	RT INFORMATION			
DOT CLASSIFICATION				
UN Number		o.s. ( Chemicals ) or "Limits"		
Not Regulated Hazard Class Packing Group	-	*Exempt under DOT 49 CFF	R 173.154 (d) (1) or (2) Pollutant Hazard Label	Secondary
None None	None None	<u>(Ibs) Response Marine F</u> 128 N		<u>Secondary</u>
	1): This material is corrosive to aluminum only. Not cor		0	
IATA CLASSIFICATION UN Number	LIN Proper Shinning Na	me n.o.s. ( Chemicals ) or "I	imite"	
UN 1760		s. (Urea Monohydrochlorid		
	I	( )	,	mard Labal
Class Packing Group Er 8		abels Required <u>S</u> Corrosive	<u>ubsidiary Risk</u> <u>Ha</u>	zard Label
-		Corrosive		
Special precautions / marking	g:		°	orrosive 8
SECTION – 15 REGUL	TORY INFORMATION			•
TSCA CHEMICAL NAME	Sec 8(b) Inventory Sec 8(d) Health And	Safety Sec 4(a) Chemica	l Tast Bulas Sac 12/b) Ev	port Notification
Urea Monohydrochloride	Yes			xport Notification
REPORTABLE QUANTITIES		portable Quantity Emission Re	norting	
CHEMICAL NAME	-	RCLA RQ Sec 103 TRI Sec 3	-	RMP TQ Sec 112r
None Listed				
SARA	Section 311	Section 311 / 312	Hazards	
	Hazardous Chemical Acute	Chronic Flamr		Reactive
Urea Monohydrochloride	Yes Yes			
None Listed				
RIGHT TO KNOW		STATE		
CHEMICAL NAME	CA CT FL IL LA	NJ NY PA I	MI MN MA F	RI WI
None Listed				
CALIFORNIA	WARNING! This produ	ct contains chemicals known	to the state of California	to cause:
CHEMICAL NAME	CAS # Birth Defects R	eproductive Harm C	arcinogen Dev	elopmental
None Listed				
CLEAN AIR WATER ACTS	Clean Air Acts		Clean Water Acts	
CHEMICAL NAME	CAS # HAP Ozone	Class 1 Ozone Class 2	HS PP	TP
None Listed				
INTERNATIONAL REGULATI	<b>DNS</b> – The components of this product are listed on	the chemical inventories of the	following countries:	
CHEMICAL NAME	Australia Canada Eur	ope (EINECS) Japan	Korea	UK
Urea Monohydrochloride	Yes Yes	Yes Yes	Yes	Yes
WHMIS Classification				
CHEMICAL NAME	DSL Class Description			
Urea Monohydrochloride	Yes E Corrosive Ma		- de Marte I. I	
	D-2B Materials Ca	using Other Toxic Effects; To	oxic Material	

Page 5 of 5		Mineral X	Revision Date	12/14/2015
SECTIC	ON – 16 OTHER INFORMATION			
SDS	LEGEND DESCRIPTION			
ACGIH	American Conference of Governmental Industrial Hygienists	LC50	A concentration that is lethal to 50% of a given species in a given t	ime
CAS	Chemical Abstracts Service Registry	LD50	Dose that is lethal to 50% of a given species by a given route of ex	
CEIL	Ceiling Limit (15 minutes)	LEL	Lower Explosive Limit	poouro
	Comprehensive Environmental Response, Compensation, and Liability Act		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	NFPA	National Fire Protection Association	
EPA	Environmental Protection Agency	NIOSH	National Institute for Occupational Safety and Health	
Eye	(EI = Irritation) (ED = Damage) (EV = Visual Impairment)	NE	Not Established	
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)	
	Splash goggles, gloves, chemical apron, vapor respirator	TC Lo	Lowest concentration that is toxic to a given species in a given time	e
	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)	
	Air line hood or mask, gloves, full chemical suit, boots	TP	California Toxic Pollutant under the Clean Water Act	
	Ask Supervisor	TSCA	Toxic Substances Control Act	
HS	California Hazardous Substance under the Clean Water Act	TWA	Time Weighted Average (8 hours)	
KD	Kidney Damage (nephropathy)	UEL	Upper Explosive Limit	
Care Dr	aduata Callina			

## Core Products Co., Inc.

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Print Date 12/18/2015

## Supersedes Safety Data Sheet Dated

NOT TO BE SOLD IN THE STATE OF CALIFORNIA