



	1. Product and Co	ompany Identification
Product identifier	pH-Treat Condensate Neut	ralizer / Media (4720-14, 4720-15)
Other means of identification	Not available	
Recommended use	For use in Condensate Neut	ralizers
Recommended restrictions	None known.	
Manufacturer information	Nu-Calgon 2611 Schuetz Road St. Louis, MO 63043 US Phone: 314-469-7000 / 800-5 Emergency Phone: 1-800-42	
Supplier	See above.	
	2. Hazards	dentification
Physical hazards	Not classified.	
Health hazards	Carcinogenicity	Category 1A
Environmental hazards	Not classified.	
WHMIS 2015 defined hazards	Not classified	
Signal word	Danger	
Hazard statement	May cause cancer.	
Precautionary statement		
Prevention	•	efore use. Do not handle until all safety precautions have been read ctive gloves, protective clothing and eye protection.
Response	IF exposed or concerned: Ge	et medical attention.
Storage	Store locked up.	
Disposal	Dispose of container in acco	rdance with local, regional, national and international regulations.
WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)	None known	
WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)	None known	
Hazard(s) not otherwise classified (HNOC)	None known.	
Supplemental information	None.	
	3. Composition/Info	ormation on Ingredients

Mixture

Chemical name	Common name and synonyms	CAS number	%
Crystalline silica		14808-60-7	0.1-1*
Limestone		1317-65-3	80-100*
Magnesium oxide		1309-48-4	5-10*

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments

US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200. *CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret.

	4. First Aid Measures	
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.	
Skin contact	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.	
Eye contact	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medica attention if irritation persists.	
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.	
Most important symptoms/effects, acute and delayed	Coughing.	
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.	
General information	IF exposed or concerned: Get medical advice. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.	
	5. Fire Fighting Measures	
Suitable extinguishing media	Carbon dioxide. Dry chemical powder. Water fog. Foam.	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.	
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
Fire-fighting equipment/instructions	Use water spray to cool unopened containers.	
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.	
General fire hazards	No unusual fire or explosion hazards noted.	
Hazardous combustion products	May include and are not limited to: Oxides of magnesium. Oxides of carbon.	
	6. Accidental Release Measures	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Loca authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.	
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.	
Environmental precautions	Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.	
	7. Handling and Storage	
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes, skin and clothing. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. Wear appropriate personal protective equipment. Should be handled in closed systems, if possible. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.	
Conditions for safe storage, including any incompatibilities	Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children.	
	8. Exposure Controls/Personal Protection	

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)			
Components	Туре	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable particles.
Limestone (CAS 1317-65-3)	TWA	10 mg/m3	

Components	nal Health & Safety Code, Schedule 1, Type	Value	Form
Magnesium oxide (CAS 309-48-4)	TWA	10 mg/m3	Fume.
Canada. British Columbia OELs. (C Safety Regulation 296/97, as amen	Occupational Exposure Limits for Che ded)	mical Substances, Oc	cupational Health and
Components	Туре	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Limestone (CAS 1317-65-3)	STEL	20 mg/m3	Total dust.
	TWA	3 mg/m3 10 mg/m3	Respirable fraction. Total dust.
Magnesium oxide (CAS 1309-48-4)	STEL	10 mg/m3	Respirable dust and/or fume.
	TWA	3 mg/m3	Respirable dust and/or fume.
		10 mg/m3	Inhalable fume.
	2006, The Workplace Safety And Hea	,	F
Components	Туре	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
•	Exposure to Biological or Chemical A	• ,	Form
Components	Туре	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
Canada. Quebec OELs. (Ministry o Components	f Labor - Regulation Respecting the Q Type	Nuality of the Work Env Value	rironment) Form
Crystalline silica (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable dust.
imestone (CAS 1317-65-3)	TWA	10 mg/m3	Total dust.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Fume.
US. OSHA Table Z-1 Limits for Air	Contaminants (29 CFR 1910.1000)		
Components	Туре	Value	Form
Crystalline silica (CAS 14808-60-7)	PEL	0.05 mg/m3	Respirable dust.
Limestone (CAS 1317-65-3)	PEL	5 mg/m3 15 mg/m3	Respirable fraction. Total dust.
Magnesium oxide (CAS 1309-48-4)	PEL	15 mg/m3	Total particulate.
US. OSHA Table Z-3 (29 CFR 1910.	1000)		
	Туре	Value	Form
Components	туре		
Crystalline silica (CAS	TWA	0.1 mg/m3	Respirable.
Crystalline silica (CAS		0.1 mg/m3 2.4 mppcf	Respirable. Respirable.
Components Crystalline silica (CAS 14808-60-7) Magnesium oxide (CAS 1309-48-4)		2.4 mppcf 5 mg/m3	Respirable. Respirable fraction.
Crystalline silica (CAS 14808-60-7) Magnesium oxide (CAS	TWA	2.4 mppcf 5 mg/m3 15 mg/m3	Respirable. Respirable fraction. Total dust.
Crystalline silica (CAS 14808-60-7) Magnesium oxide (CAS	TWA	2.4 mppcf 5 mg/m3	Respirable. Respirable fraction.

Components	Туре	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Magnesium oxide (CAS 1309-48-4)	TWA	10 mg/m3	Inhalable fraction.
US. NIOSH: Pocket Guide to	Chemical Hazards		
Components	Туре	Value	Form
Crystalline silica (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.
Limestone (CAS 1317-65-3)	TWA	5 mg/m3 10 mg/m3	Respirable. Total
ological limit values	No biological exposure limits noted for t	he ingredient(s).	
posure guidelines	Occupational exposure to nuisance dust (total and respirable) and respirable crystalline silica should be monitored and controlled.		
ppropriate engineering ntrols	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. It exposure limits have not been established, maintain airborne levels to an acceptable level.		
dividual protection measures,	such as personal protective equipment	t	
Eye/face protection	Wear safety glasses with side shields (c	or goggles).	
Skin protection			
Hand protection	Impervious gloves. Confirm with reputable supplier first.		
Other	Use of an impervious apron is recommended. As required by employer code.		
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).		
Thermal hazards	Not applicable.		
eneral hygiene nsiderations	Always observe good personal hygiene and before eating, drinking, and/or smol equipment to remove contaminants. Wh	king. Routinely wash work c	

9. Physical and Chemical Propert	ies
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Appearance	Granular powder
Physical state	Solid.
Form	granular
Color	Grey
Odor	Odorless
Odor threshold	Not available.
рН	8
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 4046 °F (> 2230 °C)
Pour point	Not available.
Specific gravity	Not available.
Partition coefficient (n-octanol/water)	Not available.
Flash point	None
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.

Vapor pressure	Not available.		
Vapor density	Not available.		
Relative density	Not available.		
Solubility(ies)	Soluble		
Auto-ignition temperature	Not available.		
Decomposition temperature	Not available.		
Viscosity	Not applicable		
Other information			
Density	2.68 g/cm ³		
Explosive properties	Not explosive.		
Oxidizing properties	Not oxidizing.		
	10. Stability and F	Reactivity	
Reactivity	This product may react with strong o	kidizing agents.	
Possibility of hazardous reactions	No dangerous reaction known under	conditions of normal use.	
Chemical stability	Material is stable under normal cond	tions.	
Conditions to avoid	Do not mix with other chemicals.		
Incompatible materials	Acids. Phosphorus. Fluorine. Chlorin	e trifluoride. Oxygen difluoride.	
Hazardous decomposition products	May include and are not limited to: O	xides of carbon. Oxides of magnesium.	
	11. Toxicological Ir	formation	
Routes of exposure	Eye, Skin contact, Inhalation, Ingesti	on.	
Information on likely routes of e	xposure		
Ingestion	May cause stomach distress, nausea	or vomiting.	
Inhalation	Prolonged inhalation may be harmful		
Skin contact	No adverse effects due to skin contact are expected.		
Eye contact	Direct contact with eyes may cause temporary irritation.		
Symptoms related to the physical, chemical and toxicological characteristics	Coughing.		
Information on toxicological effe	ects		
Acute toxicity			
Components	Species	Test Results	
Crystalline silica (CAS 14808-60-7	<i>'</i>)		
Acute			
Dermal			
LD50	Not available		
Inhalation			
LC50	Not available		
Oral LD50	Rat	500 mg/kg, HSDB, IV only	
	Nat	Soo mg/kg, hSDB, tv only	
Limestone (CAS 1317-65-3) Acute			
Dermal			
LD50	Not available		
Inhalation			
LC50	Not available		
Oral			
LD50	Rat	6450 mg/kg, CCOHS, CSST	
Magnesium oxide (CAS 1309-48-4	1)		
Acute			
Dermal			
LD50	Not available		

Indiation Not available UDS0 Rat 3990 mg/kg, Canada Colors Skin corrosion/fritation Potonged skin contact may cause temporary initiation. Exposure minutes Not available. Expression short matter Direct contact with eyes may cause temporary initiation. Goneal opacity value Not available. Formal opacity value Not available. Initiation Not available. Conjunctival reddening Not available. Recover days Not available. Stands - Alberd OEL:s: Initiant Timeston (CAS 1317-65.) Integenic (PAS 1317-65.) Initiant. Stands - Alberd OEL:s: Initiant Tibe product is not expected to cause skin sensitization. Mutagenic or genotoxic. Not day available is indicate product or any components present at greater than 0.1% are minutegenic or genotoxic. Carindo Alberd DEL:: Initiant Initiant is indicated is indicated stand are day in signification are stand are standicated in indicated in indicated in the mare stand is indicated	Components	Species	Test Results
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Crystalline silica (CAS 14808-60-7) Cancer			
	Crystalline silica (CAS 14	808-60-7)	Cancer

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.		
Teratogenicity	Not available.		
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not an aspiration hazard.		
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.		
	12. Ecological Information		
Ecotoxicity	Not available.		
Persistence and degradability	No data is available on the degradability of this product.		
Bioaccumulative potential	No data available.		
Mobility in soil	No data available.		
Mobility in general	Not available.		
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.		
	13. Disposal Considerations		
Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations.		
Local disposal regulations	Dispose in accordance with all applicable regulations.		
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.		
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).		
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.		
	14. Transport Information		
Transport of Dangerous Goods (TDG) Proof of Classification	Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.		
U.S. Department of Transportation	on (DOT)		
Not regulated as dangerous g	oods.		
Transportation of Dangerous Go	ods (TDG - Canada)		
Not regulated as dangerous ge	oods.		
	15. Regulatory Information		
Canadian federal regulations	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.		
Canada CEPA Schedule I: Li	isted substance		
Magnesium oxide (CAS 1			
Canada DSL Challenge Subs			
-	List (Second List): Listed substance		
Magnesium oxide (CAS 1 Export Control List (CEPA 1	,		
Not listed. Greenhouse Gases			
Not listed. Precursor Control Regulatio	ns		
Not regulated.			
WHMIS 2015 Exemptions	Not applicable		
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.		
	All chemicals used are on the TSCA inventory.		

TSCA Section 12(b)) Export Notification (40 CFR 707, \$	Subpt. D)		
Not regulated. CERCLA Hazardou	s Substance List (40 CFR 302.4)			
Not listed.				
-	ally Regulated Substances (29 CFF	-		
Crystalline silica	a (CAS 14808-60-7)	Cancer lung effects immune system effects kidney effects		
Superfund Amendment	s and Reauthorization Act of 1986	-		
Hazard categories	Immediate Hazard - No Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No			
SARA 302 Extreme hazardous substan				
SARA 311/312 Haza chemical	ardous No			
SARA 313 (TRI repo Not regulated.	orting)			
Other federal regulation	IS			
Clean Air Act (CAA) Section 112 Hazardous Air Pollut	ants (HAPs) List		
Not regulated. Clean Air Act (CAA) Section 112(r) Accidental Release	e Prevention (40 CFR 68.130)		
Not regulated.				
US state regulations	See below			
US - California Hazardous Substances (Director's): Listed substance				
0	n oxide (CAS 1309-48-4) I Haz Subs: Listed substance	Listed.		
	silica (CAS 14808-60-7)	Listed.		
Magnesium	(CAS 1317-65-3) i oxide (CAS 1309-48-4) ey RTK - Substances: Listed subst a	Listed. Listed. ance		
Crystalline	silica (CAS 14808-60-7)			
Magnesium	(CAS 1317-65-3) a oxide (CAS 1309-48-4) acts Screening Levels: Listed subs	stance		
	silica (CAS 14808-60-7)	Listed.		
	(CAS 1317-65-3)	Listed.		
0	oxide (CAS 1309-48-4) setts RTK - Substance List	Listed.		
Limestone	silica (CAS 14808-60-7) (CAS 1317-65-3)) oxide (CAS 1309-48-4)			
	y Worker and Community Right-to	-Know Act		
Not regulate US. Pennsylva	ea. n <mark>ia Worker and Community Right-t</mark>	to-Know Law		
Limestone	silica (CAS 14808-60-7) (CAS 1317-65-3)) oxide (CAS 1309-48-4)			
US. Rhode Isla				
Limestone	silica (CAS 14808-60-7) (CAS 1317-65-3)			
	oxide (CAS 1309-48-4)			
US. California Prop		rystalline, which is known to the State of California to cause cancer. For		
! more informatio	n go to www.P65Warnings.ca.gov.			
	Proposition 65 - CRT: Listed date/ silica (CAS 14808-60-7)	Listed: October 1, 1988		

Crystalline silica (CAS 14808-60-7) Listed: October 1, 1988

Inventory status

Country(s) or region Canada Canada

Inventory name

Domestic Substances List (DSL)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information	
LEGEND	HEALTH * 1
Severe4Serious3Moderate2Slight1	FLAMMABILITY 0 PHYSICAL HAZARD 0 PERSONAL
Minimal 0	PROTECTION
Disclaimer	The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.
Issue date	21-August-2019
Version #	01
Effective date	21-August-2019
Prepared by	Nu-Calgon Technical Service Phone: (314) 469-7000
Other information	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

Issue date 21-August-2019 4720-14, 4720-15 (Canada/US GHS)