Natro-Cel[™] 2280P-A

1: Identification

Product identifier: Other means of identification: Supplier:

Natro-Cel [™] 2280P-A		
Paraffinic oil on silicon dioxide		
	NATROCHEM, Inc.	
Ť	P.O. Box 1205	
	Savannah, GA 31402-1205	
	912-236-4464	
Process aid		
Not applicable.		

Recommended use: Restrictions on use: Emergency phone number:

 Not applicable.

 CHEMTREC (USA)
 800-424-9300

 CHEMTREC (Int'l)
 202-483-7616

2: Hazard(s) identification

OSHA/HCS status:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
GHS classification:	Not classified.
GHS label elements	
Signal word:	WARNING
Symbol(s):	None.
Hazard statements:	
Hazards not otherwise	May form combustible dust concentrations in the air.
classified:	
Precautionary statements:	
Prevention:	Avoid breathing dust/fume/vapours.
Response:	IF exposed or concerned: Call a POISON CENTER/ doctor/ In case of fire: Use appropriate media for surrounding fire to extinguish.
Storage:	Store in a dry place. Store in a closed container.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.

3: Composition

Substance/mixture:

Mixture

Ingredient	Synonyms	CAS number	Concentration (%)
Residual oils (petroleum),		64742627	70-74
solvent-dewaxed			

Silica, amorphous, precipitated,	112926-00-8	26-30
and gel		

Contains no detectable crystalline silica (detection limit <0.01% by weight)

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

4: First-aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM, OR PHYSICIAN immediately; have SDS information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid	measures
Eye contact:	Check for and remove any contact lenses. Immediately flush eyes
	with running water for at least 15 minutes, keeping eyelids open.
	Seek immediate medical attention.
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not
	breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly
	with soap and water or use recognized skin cleanser. Do NOT use
Incestion	solvents or thinners.
Ingestion:	If swallowed, seek medical advice immediately and show this
	container or label. Keep person warm and at rest. Do NOT induce
	vomiting.
Most important symptoms/effec	ts, acute and delayed.
Potential acute health effects	
Eye contact:	No significant irritation expected other than possible mechanical irritation.
Inhalation:	Exposure to airborne concentrations above statutory or
	recommended exposure limits may cause irritation of the nose,
	throat, and lungs.
Skin contact:	Prolonged or repeated contact may dry skin and cause irritation.
Ingestion:	No known significant effects or critical hazards.
Over-exposure signs/symptom	<u>15</u>
Eye contact:	Adverse symptoms may include the following:
	Irritation
	Redness
Inhalation:	Adverse symptoms may include the following:
	Coughing
	Respiratory tract irritation
Skin contact:	Adverse symptoms may include the following:

Description of necessary first aid measures

	Dryness
Ingestion:	No specific data.
Indication of immediate medica	l attention and special treatment needed, if necessary
Notes to physician:	Treat symptomatically. Contact poison treatment specialist
	immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatment.
Protection of first-aiders:	No action shall be taken involving any personal risk or without
	suitable training.

See toxicological information (Section 11)

5: Fire-fighting measures

Use water spray (fog), regular foam, dry chemical, or carbon
dioxide.
None known.
No specific fire or explosion hazard. When transferring material
into flammable solvents, use proper grounding to avoid electrical sparks.
Hazardous decomposition products may include:
Carbon dioxide
Carbon monoxide
Other asphyxiants
Fight fire from a safe distance and protected location. Exercise caution when fighting any chemical fire.
Wear structural firefighting gear. As in any fire, weal self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6: Accidental release measures

Personal precautions, protective equipment, and emergency procedures

reisonal precautions, protective	equipment, and emergency procedures	
For non-emergency	No action shall be taken involving any personal risk or without	
personnel:	suitable training. Keep unnecessary and unprotected personnel	
	from entering. Do not touch or walk through spilled material.	
	Product forms slippery surface when combined with water.	
For emergency responders:	If specialized clothing is required to deal with the spillage, take	
	note of any information in Section 8 on suitable and unsuitable	
	materials. See also the information immediately above in "For non-	
	emergency personnel".	
Environmental precautions:	Inform the relevant authorities if the product has caused	
	environmental pollution (sewers, waterways, soil, or air).	
Methods and materials for containment and cleaning up		
Small spill:	Vacuum or sweep up material and place in a designated, labeled	
	waste container.	

Large spill:

Vacuum or sweep up material and place in a designated, labeled waste container.

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

7: Handling and storage Precautions for safe handling

Precautions for safe handling	
Protective measures:	Put on appropriate personal protective equipment (see Section 8).
Advice on general	Eating, drinking, and smoking should be prohibited in areas where
occupational hygiene:	this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. When transferring material into flammable solvents, use proper grounding to avoid electrical sparks. Avoid alteration of product properties before use. Calcining (which may result in crystalline silica formation) or mixing with additives may alter toxicological properties.
	See also Section 8 for additional information on hygiene measures.
Conditions for safe storage,	Store in accordance with local regulations. Store in original
including any incompatibilities:	container protected from direct sunlight in a dry, cool, and well- ventilated area away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Do not store in unlabeled containers.

8: Exposure controls/personal protection

Control parameters

Occupational exposure limits	
None.	
Recommended monitoring procedures:	If this product contains ingredients with exposure limits, personal, workplace atmosphere, or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Appropriate engineering controls:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure that they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters, or engineering modifications to process equipment will be necessary to reduce emissions to acceptable levels.

Hygiene measures:	Wash hands, forearms, and face thoroughly after handling
	chemical products, before eating, smoking, and using the lavatory,
	and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash
	contaminated clothing before reusing. Ensure that eyewash
	stations and safety showers are close to the workstation location.
Eye/face protection:	Safety eyewear complying with an approved standard should be
	used when a risk assessment indicates this is necessary to avoid
	exposure to liquid splashes, mists, gases, or dusts. If contact is
	possible, the following protection should be worn, unless the
Skin protection	assessment indicates a higher degree of protection: splash goggles.
Hand protection:	Chemical-resistant, impervious gloves complying with an approved
	standard should be worn at all times when handling chemical
	products if a risk assessment indicates this is necessary. When
	handling hot material, wear heat-resistant gloves that are able to
	withstand the temperature of molten product.
Body protection:	Personal protective equipment for the body should be selected
	based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection:	Appropriate footwear and any additional skin protection measures
other skin protection.	should be selected based on the task being performed and the
	risks involved and should be approved by a specialist before
	handling this product.
Respiratory protection:	Respirator selection must be based on known or anticipated
	exposure levels, the hazards of the product and the safe working
	limits of the selected respirator. If workers are exposed to
	concentrations above the exposure limit, they must use
	appropriate, certified respirators. Use a properly fitted, air-
	purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
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9: Physical and chemical properties

<u>Appearance</u>	
Physical state:	Powder, solid, or granular solid.
Color:	Tan to brown.
Odor:	Slight.
Odor threshold:	Not available.
pH:	Not available.
Melting/freezing point:	Not available.
Boiling point and range:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Flammability:	Not available.
Flammability or explosive	Not available.
limits:	

Vapor pressure:	Not available.
Vapor density:	Not available.
Relative density:	Not available.
Solubility:	Insoluble in: hot water, cold water
Partition coefficient: n-	Not available.
octanol/water:	
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not applicable.

10: Stability and reactivity

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	This product is stable.
Possibility of hazardous	Under normal conditions of storage and use, hazardous reactions
reactions:	will not occur.
Conditions to avoid:	 High temperature (>800°C) treatment (calcining). Avoid alteration of product properties before use. Calcining (which may result in crystalline silica formation) or mixing with additives may alter toxicological properties. Avoid generating dust. Keep away from heat, sparks, and flame. Refer to protective measures listed in Sections 7 and 8.
Incompatible materials:	Reactive or incompatible with the following materials: acids, oxidizing materials, strong alkalis.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11: Toxicological information

Information on toxicological effects

Result LC50 inhalation	Species	Dose	Exposure
LC50 inhalation	_		Exposure
	Rat	>5.53 mg/L	4 hours
LD50 dermal	Rabbit	>2000 mg/kg	-
LD50 oral	Rat	>5000 mg/kg	-
No known significa	nt effects or cr	itical hazards.	
No known significant effects or critical hazards.			
No known significant effects or critical hazards.			
No known significant effects or critical hazards.			
No known significa	nt effects or cri	itical hazards.	
No known significant effects or critical hazards.			
	No known significa No known significa No known significa No known significa No known significa	No known significant effects or cri No known significant effects or cri	No known significant effects or critical hazards. No known significant effects or critical hazards.

<u>Mutagenicity:</u> Conclusion/summary:	No known significant effects or critical hazards.		
<u>Carcinogenicity</u>			
Conclusion/summary:	The mineral oils in the product contained <3% DMSO extract (IP		
	346). No	ot consid	dered to be carcinogenic.
Classification			L
Ingredient	OSHA	IARC	NTP
Silica, amorphous,	-	3	-
precipitated, and gel			
Carcinogen classification			
	, 2B, 3, 4 vn/Reasona	bly antic	ipated] to be a human carcinogen
OSHA: +	in the about	iory arrect	
Not listed/regu	ılated: -		
Reproductive toxicity			
Conclusion/summary:	No knov	vn signi [.]	ficant effects or critical hazards.
Teratogenicity			
Conclusion/summary:	No knov	vn signi [.]	ficant effects or critical hazards.
Specific target organ toxicity (s	ingle exp	osure)	
Not available.			
Specific target organ toxicity (r	epeated e	exposur	<u>e)</u>
Not available.			
<u>Target organs</u>	Contains	s mater	ial which may cause damage to the following
	organs: upper respiratory tract, eyes.		
Aspiration hazard			
Not available.			
nformation on the likely routes	Routes o	of entry	anticipated: oral, dermal, inhalation.
of exposure:			
Potential acute health effects			
Eye contact:	No significant irritation expected other than possible mechanical irritation.		
Inhalation:	Exposure to airborne concentrations above statutory or		
			exposure limits may cause irritation of the nose,
	throat, a	and lung	gs.
Skin contact:	Prolonged or repeated contact may dry skin and cause irritation.		
Ingestion:	No known significant effects or critical hazards.		
symptoms related to the physica	l, chemica	l, and t	oxicological characteristics
Eye contact:	Adverse	sympto	oms may include the following:
	Irritatio	า	
	Redness		
Inhalation:	Adverse symptoms may include the following:		oms may include the following:
	Coughin	g	
	Respirat	ory trac	ct irritation
Skin contact:	Adverse	sympto	oms may include the following:
	Dryness		
Ingestion:	No spec	ific data).
-			a. ffects from short- and long-term exposure
-	nd also ch	ronic e	

	of 8.6 years. Of these 165 workers, 44 had been exposed for an
	average of 18 years. No adverse effects were noted in complete
	medical examinations (including chest roentgenograms) of these
	workers. Pulmonary function decrements were correlated only
	with smoking and age but not with the degree or duration of dust
	exposures. Laboratory studies have also been conducted in small
	animals via inhalation of levels of precipitated silica dust of up to
	126 mg/m^3 per periods from six months to two years. Although
	precipitated silica was temporarily deposited in animals' lungs,
	most of the deposited material was cleared soon after the dust
	exposure ended. The results of all studies performed by, or known
	to, PPG indicated a very low order of pulmonary activity for
	synthetic precipitated silicas. PPG recommends that persons with
	breathing problems or lung disease should not work in dusty areas
	unless a physician approves and certifies their fitness to wear
	respiratory protection.
Short-term exposure	
Potential immediate	No significant irritation expected other than possible mechanical
effects	irritation.
Potential delayed effects	Prolonged or repeated contact may dry skin and cause irritation.
Long-term exposure	
Potential immediate	Repeated or prolonged inhalation of dust may lead to chronic
effects	respiratory irritation.
Potential delayed effects	Repeated or prolonged inhalation of dust may lead to chronic
	respiratory irritation.
Potential chronic health	
<u>effects</u>	
General:	No known significant effects or critical hazards.
Carcinogenicity:	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.
Numerical measures of toxicity	
Acute toxicity estimates	
Not available.	

12: Ecological information

<u>Toxicity</u>			
Ingredient	Result	Species	Exposure
Silica, amorphous, precipitated, and	NOEC > 1000 ppm	Daphnia – daphnia magna	24 hours
gel	Acute NOEC > 10000 ppm fresh water	Fish	96 hours static
	Acute NOEC > 10000 ppm	Fish – brachydanio rerio	4 days static

Acute EC50 > 100 mg/L		Algae		72 hours
•		-		48 hours
		Fish		96 hours
0				
Aquatic half-life	Pho	tolysis	Biode	gradability
-	-		Not re	adily
				-
-	-		Consid	lered to be
			inhere	ntly
			biodeg	gradeable
ntial				
LogPow	BCF		Potent	tial
-	0		low	
-	0		Consti	tuents of other
			lubrica	int base oils
			show i	measured or
			predic	ted values for
			LogPov	v from 2 to ≥6
			and ar	e considered
			potent	tially
			bioacc	
	- <u>ntial</u> LogP _{ow} -	Acute EC50 > 100 mg/L dability Aquatic half-life Pho 	Acute EC50 > 100 mg/L Fish Jability Photolysis Aquatic half-life Photolysis - - - - - - tial ElogPow - 0	Acute EC50 > 100 mg/L Fish Jability Aquatic half-life Photolysis Biodeg - - - Not region - - - Consider inhererer biodeg - - - Consider inhererererererererererererererererererer

Other adverse effects:

No known significant effects or critical hazards.

13: Disposal considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Refer to Sections 6, 7, and 8 for additional information on accidental release measures, handling and storage, and exposure controls.

14: Transport information

	DOT	IMDG	ΙΑΤΑ
UN number	Not regulated.	Not regulated.	Not regulated.

UN proper shipping	-	-	-
name			
Transport hazard	-	-	-
class(es)			
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Marine pollutant	Not applicable.	Not applicable.	Not applicable.
substances			
Additional information	-	-	-

Special precautions for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. Not available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:

15: Regulatory information

Inventory status United States inventory (TSCA 8b):	All components are listed or exempted.
Australia inventory (AICS):	All components are listed or exempted.
Canada inventory (DSL):	All components are listed or exempted.
China inventory (IECSC):	All components are listed or exempted.
Europe inventory (REACH):	All components are listed or exempted.
Japan inventory (ENCS):	Please contact your supplier for information on the inventory status of this material.
Korea inventory (KECI):	All components are listed or exempted.
New Zealand inventory (NZIOC):	All components are listed or exempted.
Philippenes inventory (PICCS):	All components are listed or exempted.

United States

US Federal regulations:
SARA Title III
Section 302 – Extremely Hazardous Chemicals:
The components in this product are either not SARA Section 302 regulated or are
regulated but present in negligible concentrations.
Section 311/312 – Hazard Categories:
Residual oils (petroleum), solvent de-waxed: Immediate (acute) health hazard.
Section 313 – Toxic Chemicals:
This material does not contain any chemical components with known CAS numbers that
exceed the threshold (de minimis) reporting levels established by SARA Title III, Section
313.
Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) –
Reportable Quantity (RQ)

The components of this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

US State regulations:

California Prop. 65:

No components are subject to California Prop. 65.

16: Other information

Hazardous Material Identification System (USA)



PERSONAL PROTECTION

* - chronic effects

Caution: HMIS[®] ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS[®] ratings are not required on SDSs under 29 CFR 1901.1200, the preparer may choose to provide them. HMIS[®] ratings are to be used with a fully implemented HMIS[®] program. HMIS[®] is a registered mark of the Nation Paint & Coatings Association (NPCA). HMIS[®] materials may be purchased exclusively from J.J.Keller 800-327-6868.

The customer is responsible for determining the PPE code for this material.

	A T C	.
Key to abbreviations:	ATE	Acute toxicity estimate
	BCF	Bioconcentration factor
	GHS	Globally harmonized system of classification and
		labeling of chemicals
	IATA	International Air Transport Association
	IBC	Intermediate bulk container
	IMDG	International Maritime Dangerous Goods
	LogPow	Logarithm of the octanol/water partition coefficient
	MARPOL	International convention for the Prevention of
	73/78	Pollution from Ships, 1973, as modified by the
		Protocol of 1978. (MARPOL = marine pollution)
	UN	United Nations
	LogPow MARPOL 73/78	Logarithm of the octanol/water partition coefficient International convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978. (MARPOL = marine pollution)

Disclaimer:

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