

MATERIAL SAFETY DATA SHEET  
Natro-Cel 6102-A

Date Revised: September 27, 2011

Page 1 of 4

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Natro-Cel 6102-A  
CHEMICAL NAME: Chemical Mixture  
CHEMICAL FAMILY: Naval Stores

HMIS RATING	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

Company:  NATROCHEM, INC.  
P.O. Box 1205  
Savannah, GA 31402-1205

Telephone Numbers:

Transportation Emergencies:

CHEMTREC (U.S.A.): (800) 424-9300 (24 hours)

CHEMTREC (International): (202) 483-7616 (24 hours, call collect)

Product Information: (912) 236-4464 (EST, 8:00AM – 4:00PM M-F)

SECTION 2 - HAZARDOUS INGREDIENTS

The component(s) listed below is identified as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

INGREDIENT	CAS REGISTRY	PERCENT
Silicon Dioxide	112926-00-8	28
Rosin Oil	68425-08-1	55

SECTION 3 - PHYSICAL DATA

Boiling Point: >148C (>300° F)	Specific Gravity: 1.146
Vapor Pressure (mm Hg): N/A	Percent Volatiles: 0
Vapor Density (Air = 1): N/A	Evaporation Rate: N/A
Solubility in Water: Negligible	Odor: oily
Appearance: Off-white, free flowing powder	

SECTION 4 - FIRE & EXPLOSION DATA

FLASH POINT (Method Used): 180C (356° F) (COC)  
FLAMMABLE LIMITS: N/DA  
AUTOIGNITION TEMPERATURE: N/DA  
EXTINGUISHING MEDIA: CO2, dry powder, chemical foam, water fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES: Toxic gases may be released during fire. Positive-pressure self-contained breathing apparatus should be used. Material must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

UNUSUAL FIRE & EXPLOSION HAZARDS: None Known.

SECTION 5 - PERMISSIBLE EXPOSURE LIMITS

Silicon Dioxide: OSHA: 6 mg/m<sup>3</sup> (total dust), 8 hr. TWA; 29 CFR 1910.1000 (rev. 3/1/89). PPG Internal Permissible Exposure Limit (IPEL); Synthetic Precipitated Silicate: 5 mg/m<sup>3</sup> (respirable dust), 8 hr. TWA.

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**SECTION 6 - HEALTH HAZARD DATA**

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**CHRONIC & ACUTE HEALTH EFFECTS:** Silicon Dioxide: ACUTE; Excessive contact with powder can cause drying of mucous membranes of nose, eyes, and throat due to absorption of moisture and oils. This material can also cause nasal irritation and nosebleeds. Eye contact with powder can result in mild irritation. CHRONIC: An epidemiological study was conducted which included 165 precipitated silica workers who had been exposed for an average of 18 years. No adverse effects were noted in complete medical examination (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 exposure. Laboratory studies have also been conducted in small animals via inhalation to levels of precipitated silica dust of up to 126 mg/m<sup>3</sup> for periods from six months to two years. Although precipitated silica was temporarily deposited in the animal's 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 indicate a very low order of pulmonary activity for synthetic precipitated silica.

A component of this product, Tall Oil Rosin, has a low toxicity potential, but asthma and respiratory tract sensitization can be caused by rosin fumes evolved from fluxes during soldering. There is only minimal risk of inducing contact sensitivity in workers exposed to rosin-containing products, such as cutting fluids and cleaners.

PRIMARY ROUTE OF ENTRY- Inhalation, eye and skin contact.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None.

NTP: No                      IARC: No                      OSHA: No

EFFECTS OF EXPOSURE-

EYES- May cause irritation

SKIN- May cause irritation.

INHALATION- Nuisance dust, may be irritating.

INGESTION- May cause gastrointestinal disorders.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE- 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.

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**SECTION 7 - EMERGENCY & FIRST AID PROCEDURES**

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**EYE CONTACT:** Immediately rinse with clean water for 15 minutes. Retract eyelids often. If irritation persists, seek medical attention.

**SKIN CONTACT:** Immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. Seek medical attention if ill effect or irritation develops.

**INHALATION:** If overcome by exposure, remove victim to fresh air. Call a physician.

**INGESTION:** Do not induce vomiting, consult a physician.

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**SECTION 8 - REACTIVITY DATA**

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STABILITY: Stable

MATERIALS TO AVOID- Avoid alteration of product properties before reuse. Avoid calcining, which may result in crystalline formation. Avoid mixing with additives that may alter toxicological properties. Avoid strong oxidizing agents or alkali.

CONDITIONS TO AVOID- Avoid high temperatures (800C) and open flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Smoke and oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

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**SECTION 9 - SPILL OR LEAK PROCEDURES**

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: MINIMIZE SPILL AREA. Vacuum spill material and place in closed plastic bags for disposal.

WASTE DISPOSAL METHOD: This product may be regulated as an oil under Section 311 of the Clean Water Act. Discharges to navigable waterways resulting in a visible surface sheen are prohibited and must be reported (40 CFR-110 - Discharge of Oil). In accordance with local, state, and federal regulations.

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**SECTION 10 - SPECIAL PROTECTION INFORMATION**

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RESPIRATORY PROTECTION: Use a respirator such as 3M 9900 or equivalent for protection against pneumoconiosis producing dusts.

VENTILATION: Provide explosion proof ventilation as required to control airborne dust levels. The sum total of all ingredients may emit vapors during normal processing. All possible health effects are not known and individual sensitivities will vary. Effective exhaust ventilation should always be provided to draw dust, fumes and vapors away from workers to prevent routine inhalation. Ventilation should be adequate to maintain ambient workplace atmosphere below the limits listed in Section V.

PROTECTIVE GLOVES: Impervious gloves to protect against contact with product.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Protective clothing, eye wash station, safety shower.

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**SECTION 11 - SPECIAL PRECAUTIONS**

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HANDLING AND STORAGE: Handling can create explosive dust clouds. Eliminate ignition sources, use explosive proof equipment. Conveying and processing equipment should be spark-proof, well bonded and grounded. Avoid dust accumulations.

OTHER PRECAUTIONS: Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Launder contaminated clothing before reuse.

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**SECTION 12 - ENVIRONMENTAL INFORMATION**

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This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

CAS REGISTRY #	CHEMICAL NAME	PERCENT BY WEIGHT
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NONE.

This information must be included in all MSDSs that are copied and distributed for this material.

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THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL LAWS AND REGULATIONS UNDER VARIOUS ENVIRONMENTAL STATUTES:

Reportable Quantity (RQ), EPA Regulation 40 CFR 302 (CERCLA Section 102):

No RQ for product or any constituent greater than 1% or 0.1% (carcinogen).

Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355 (SARA Sections 301-313):

No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen).

Hazardous Chemical Reporting, EPA Regulation 40 CFR 370 (SARA Sections 311-312):

Silicon Dioxide- Acute Hazard  
Rosin Oil- Acute & Chronic Hazard

The components of this product are included on the TSCA Chemical Substance Inventory:

TRANSPORTATION: Not regulated.

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**SECTION 13 - OTHER INFORMATION**

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Revision Note: revised silica CAS number.

Prepared by: Craig Moore

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N/A = Not applicable N/D = Not determined N/DA = No Data Available N/E = Not established

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