

**NATROCHEM, INC.**Post Office Box 1205
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(912) 236-4464**MATERIAL SAFETY
DATA SHEET**

NP 335

Date Revised: May 5, 1993

Supersedes MSDS Date: 12/19/88

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SECTION I - PRODUCT IDENTIFICATIONTRADE NAME: NP 335
CHEMICAL NAME: None**SECTION II - 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
Tall Oil Pitch	8016-81-7	45
Crude Tall Oil	8002-26-4	15
Rosin Oil	68425-08-1	40

SECTION III - PHYSICAL DATA

Boiling Point: 288°F	Specific Gravity: 0.975
Vapor Pressure (mm Hg): N/D	Percent Volatiles: 5
Vapor Density (Air = 1): N/D	Evaporation Rate: N/D
Solubility in Water: Negligible	
Appearance and Odor: Dark brown, viscous material with pine tar odor.	

SECTION IV - FIRE & EXPLOSION DATAFLASH POINT (Method Used): 288°F (COC)
FLAMMABLE LIMITS: N/D
AUTOIGNITION TEMPERATURE: N/DEXTINGUISHING MEDIA: CO₂, dry powder, chemical foam, water fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid use of water, other than light fog or mist.

UNUSUAL FIRE & EXPLOSION HAZARDS: Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such a pilot lights, welding equipment and electrical motors and switches.

HMIS RATING: Health- 1, Flammability- 1, Reactivity- 0

SECTION V - PERMISSIBLE EXPOSURE LIMITS

None established for this product.

MARKETED BY
**HARWICK STANDARD
DISTRIBUTION CORPORATION**
60 S. Seiberling Street • Akron, Ohio 44305

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTE OF ENTRY- Eye and skin.

CHEMICAL COMPONENTS LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None.

NTP: No IARC: No OSHA: No

EFFECTS OF EXPOSURE-

EYES- This material may cause mild eye irritation. Direct contact with liquid or exposure to vapors or mists may cause stinging, tearing and redness.

SKIN- This material may cause mild skin irritation. Prolonged or repeated contact may cause redness, burning and drying and cracking of the skin. Contact may result in skin absorption but symptoms of toxicity are not anticipated by this route alone under normal conditions of use. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

INHALATION- While this material has a low degree of toxicity, breathing high concentrations of vapors or mists may cause flushing, blurred vision, nausea, and signs of nervous system depression (e.g. headache, drowsiness, dizziness, loss of coordination and fatigue). Exposure to high concentrations may cause loss of consciousness, convulsions, respiratory collapse and death. Respiratory symptoms associated with pre-existing lung disorders (e.g. asthma-like conditions) may be aggravated by exposure to this material.

INGESTION- ASPIRATION HAZARD -- This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage. Ingestion of excessive quantities of this material may cause irritation of the digestive tract and signs of nervous system depression (e.g. headache, drowsiness, dizziness, loss of coordination and fatigue).

SECTION VII - EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.

SKIN CONTACT: Immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water and, if necessary, a waterless skin cleanser. Seek medical attention if ill effect or irritation develops.

INHALATION: If overcome by exposure, remove victim to fresh air. If symptoms persist, call a physician immediately. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

INGESTION: DO NOT induce vomiting or give anything by mouth because this material can enter lungs and cause severe lung damage. If victim is drowsy or unconscious, place on side with head down. Seek medical attention.

NOTE TO PHYSICIAN: Exposure to high concentration of this material (e.g. in enclosed spaces or with deliberate abuse) may be associated with cardiac arrhythmias. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. Other drugs with less arrhythmogenic potential should be considered. If sympathomimetic drugs are administered, observe for the development of cardiac arrhythmias.

SECTION VIII - REACTIVITY DATA

STABILITY: Stable

MATERIALS TO AVOID- Strong oxidizing agents or alkali.

CONDITIONS TO AVOID- Very high temperatures and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and reactive hydrocarbons (aldehydes, aromatics, etc.).

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: MINIMIZE SPILL AREA.
Contain and recover.

WASTE DISPOSAL METHOD: In accordance with local, state, and federal regulations.

SECTION X - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Organic vapor canister. Respiratory protection is generally not required during normal operations. Supplied air is required if hydrogen sulfide or other TRS gases are present.

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: Chemical goggles or safety glasses with side shield.

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

SECTION XI - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Eliminate ignition sources, use explosive proof equipment. Conveying and processing equipment should be spark-proof, well bonded and grounded.

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

 SECTION XII - ENVIRONMENTAL INFORMATION

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
NONE.		

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

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

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):

<u>Component Name</u>	<u>Physical Hazard</u>	<u>Health Hazard</u>
Tall Oil Pitch	Acute and Chronic	Irritant, Eye & skin.
Crude Tall Oil	Acute and Chronic	Irritant, Eye & skin.
Rosin Oil	Acute and Chronic	Irritant, Eye & skin

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

TRANSPORTATION: Not regulated.

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

N/E = Not established

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