

# MATERIAL SAFETY DATA SHEET


## NATRO-FLEX® IOT

Date Revised: June 22, 2000

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### SECTION I - PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Natro-Flex IOT  
CHEMICAL NAME: Octyl Ester of Tall Oil Fatty Acids

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

HMIS RATING	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

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 II - COMPONENTS

COMPONENT NAME	CAS#
Fatty Acid Ester	68333-78-8

### SECTION III - PHYSICAL DATA

Boiling Point: < 500EF

Vapor Pressure (mm Hg): 20° C Neg.

Vapor Density (Air = 1): N/A

Solubility in Water: Negligible

Appearance and Odor: Light yellow colored oil, bland odor.

Specific Gravity: 0.900

Percent Volatiles: Negligible

Evaporation Rate: N/DA

### SECTION IV - FIRE & EXPLOSION DATA

FLASH POINT (Method Used): 400° F (TCC)

FLAMMABLE LIMITS: N/A

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray, carbon dioxide or dry chemical to extinguish fires. Wear self-contained, positive pressure breathing apparatus and full firefighting protective clothing. Use water to keep containers cool.

UNUSUAL FIRE & EXPLOSION HAZARDS: Water may cause frothing.

### SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Repeated or prolonged skin contact may cause irritation. Acute oral (rat) LD50 values for pale tall oil rosin and tall oil fatty acids are 7,600 mg/kg and greater than 10,000 mg/kg, respectively. Aspiration into liquid may cause pneumonitis.

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**SECTION V - HEALTH HAZARD DATA (cont)**

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PRIMARY ROUTE OF ENTRY- Eye and skin.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: None.

NTP: No

IARC: No

OSHA: No

EFFECTS OF EXPOSURE-

EYES- Liquid may cause mild eye irritation.

SKIN- Repeated or prolonged exposure may cause irritation.

INHALATION- N/DA

INGESTION- N/DA

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE- N/DA

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**SECTION VI - 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.

INGESTION: DO NOT induce vomiting.

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**SECTION VII - REACTIVITY DATA**

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STABILITY: Stable

MATERIALS TO AVOID- Strong oxidizing agents.

CONDITIONS TO AVOID- None Known.

HAZARDOUS DECOMPOSITION PRODUCTS: None other than normal products of combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

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**SECTION VIII - SPILL OR LEAK PROCEDURES**

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: MINIMIZE SPILL AREA. Spills of this material are very slippery. Cover spills with some inert absorbent material and scoop into a container. Repeat if slipperiness remains. Keep spill out of all sewers and open bodies of water. Report per regulatory requirements.

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

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 SECTION IX - SPECIAL PROTECTION INFORMATION
 

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RESPIRATORY PROTECTION: None required for normal operations.

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 X - SPECIAL PRECAUTIONS
 

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HANDLING AND STORAGE: Avoid open flames and excessive heat.

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 XI - REGULATORY INFORMATION
 

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TOXIC SUBSTANCE CONTROL ACT (TSCA):

The components of this product are contained on the Inventory of the Toxic Substance Control Act.

CHEMICAL INVENTORIES:

OSHA:

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	AMOUNT	ACGIH (TLV)	OSHA (PEL)	UNITS
None.				

SARA 313 TOXIC CHEMICALS:

This product does not contain any toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

CAS REGISTRY #	CHEMICAL NAME	PERCENT BY WEIGHT
None.		

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

SECTION 311/312 - HAZARD CATEGORIES:

The physical and health hazard categories for the hazardous components exceeding the de minimis amount subject to reporting under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372

Name of Chemical	Hazard	Percent in Product
None.		

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**SECTION XI - REGULATORY INFORMATION (Cont.)**

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**ADDITIONAL RIGHT-TO-KNOW INFORMATION ON COMPONENTS:**

Component Name	CAS #
Octyl Esters of Tall Oil Fatty Acid	68333-78-8

TRANSPORTATION INFORMATION: Not DOT regulated.

DOT Shipping Name:

DOT Identification Number:

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**SECTION XII - OTHER INFORMATION**

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Hazard Rating System Classifications:

Revision Note: Added CHEMTREC information.

Prepared by: James L. Pye, Jr.

Title: Safety Coordinator

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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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