



MATERIAL SAFETY DATA SHEET

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SECTION 1 - PRODUCT INFORMATION

PRODUCT NAME: NAXAN® 221
CHEMICAL NAME: Alkylated naphthalene sulfonate, sodium salt
CAS NUMBER: Trade Secret
PRODUCT CODE: 4052
MSDS NO.: 1-19105

ISSUE DATE: 07/12/05
SUPERSEDES: 02/23/05

SECTION 2 - HAZARD IDENTIFICATION

Appearance & Odor: Slightly tan, powdered solid; slight hydrocarbon odor.

Primary Routes of Exposure: Skin, Eyes and Respiratory tract.

Health Hazard Warnings: CAUTION! May cause slight eye and skin irritation. Prolonged or repeated overexposure to dusts may cause upper respiratory tract irritation. Dusts at sufficient concentrations can form explosive mixtures with air.

Inhalation: Prolonged or repeated overexposure to dusts may cause upper respiratory tract irritation.

Skin Contact: Prolonged or repeated skin contact may cause slight skin irritation.

Eye Contact: Contact with eyes can cause slight irritation.

Ingestion: May cause gastrointestinal irritation in the form of nausea and vomiting.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS REGISTRY NO.</u>	<u>PERCENT</u>
Alkylated naphthalene sulfonate, sodium salt	Trade Secret	> 90
Proprietary surfactant	Trade Secret	< 7
Water	7732-18-5	< 5

SECTION 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with water for 10 - 15 minutes. Hold eyelids apart and roll eyes up and down to assure complete washing. Seek medical attention.

Skin: Remove contaminated clothing and equipment. Thoroughly flush the affected area with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Inhalation: Immediately move the patient to fresh air and call a physician. If breathing is difficult, give oxygen. If not breathing, begin artificial respiration.

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SECTION 4 - FIRST AID MEASURES (CONT.)

Ingestion: Call a physician. Never give anything by mouth to an unconscious person. Induce vomiting only at the instruction of a doctor or nurse.

Other Specific Instructions: In the event of exposure, seek medical attention immediately. Do not give chemical antidotes unless directed to do so by the physician.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: No data available

Auto Ignition: No data available

Explosive Limits; UEL/LEL: In sufficient concentrations, dusts can form potentially explosive mixtures in air.

Extinguishing Agents: Use water spray, dry chemical, carbon dioxide, or foam extinguishing agents.

Fire & Explosion Hazards: As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Firefighters should wear recommended exposure control equipment including a self-contained breathing apparatus. Avoid generating dusts. Cool containers with water that are exposed to flames. Bond and ground equipment when transferring material to prevent static build up.

Hazardous Combustion Products: Thermal decomposition produces oxides of carbon and sulfur.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Protective Equipment: Appropriate protective equipment must be worn when handling a spill of **NAXAN® 221**. See Section 8-Exposure Control, for recommendations.

Spill or Leak Information: Eliminate all ignition sources. Avoid breathing and generating dusts. Sweep or scoop material into containers for reuse or disposal. Flush area with plenty of water. Collect water for proper disposal.

SECTION 7 - HANDLING AND STORAGE

Handling Conditions: Follow all warnings and precautions even after container is emptied. Bond and ground equipment when transferring material to prevent static build up. This product may contain trace levels of Ethylene Oxide (78-21-8) which may accumulate in the headspace of shipping and storage containers. Users should monitor personnel to determine levels of exposure and take appropriate action to protect employees and to comply with the OSHA standard.

Storage Conditions: Keep container tightly closed when not in use.

SECTION 8 - EXPOSURE CONTROL

Exposure Limits: No data available

Eye Protection: Use safety glasses.

Skin Protection: Skin contact with material should be minimized through the use of suitable impervious gloves. Natural rubber or neoprene gloves are recommended.

Respiratory Protection: Not required under normal use. If dusts can be generated, wear a NIOSH/MSHA approved dust/mist respirator for the dust concentrations at the point of use.

Ventilation: Good local exhaust ventilation should be provided.

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SECTION 8 - EXPOSURE CONTROL (CONT.)

Other Protective Equipment: Safety showers and eye wash stations where material is being handled. Wash hands and face before eating, using tobacco products or using the washroom. Smoke or eat only in designated areas. Take a warm shower and change clothing daily. Clothing and shoes used while handling this material should not be worn or taken away from the workplace.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Slightly tan, powdered solid

Odor: Slight hydrocarbon odor

Melting Point: No data available

Boiling Point: No data available

Evaporation Rate (butyl acetate=1): < 1.0

pH: 7.5 – 10.5 (5% aqueous solution)

Vapor Pressure (mm Hg): 8.76×10^{-10} @ 25°C (calculated)

Vapor Density (Air=1): No data available

Specific Gravity/Density: No data available

Solubility in Water: Soluble

Flash Point: No data available

Auto Ignition: No data available

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling.

Incompatibility: Avoid strong oxidizers and acids.

Possibility of Hazardous Reactions: Not expected to occur.

Decomposition: When heated to decomposition, may emit oxides of carbon and sulfur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Data: The information shown in Section 3- Hazard Identification, is based on toxicity profiles of similar materials or on the components present in this material.

Sensitization: Alkylated naphthalene sulfonate, sodium salt is not known to cause sensitization.

Carcinogenicity/Mutagenicity: Alkylated naphthalene sulfonate, sodium salt is not considered to be a human or animal carcinogen.

Teratogenicity/Reproductive Toxicity: Alkylated naphthalene sulfonate, sodium salt is not known to cause teratogenicity or reproductive toxicity.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicological Data: The ecological toxicity of this product is not known. This material should be considered toxic to fish.

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SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: This product if discarded as supplied, is considered non-hazardous as defined by RCRA. Incinerate in accordance with local, state and federal regulations.

SECTION 14 - TRANSPORT CONSIDERATIONS

Shipping Description: DOT Non-Regulated

Hazard Class: NA

ID No.: NA

PG: NA

Labels: None

SECTION 15 - REGULATORY CONSIDERATIONS

OSHA Regulatory Status: This product is a hazardous chemical under 29 CFR 1910.1200

SARA Title III

Section 311/312: This product is categorized as an immediate health hazard according to EPA under Section 311/312 of SARA

Section 313: This product contains the following chemicals subject to 313 reporting:

Glycol Ether Category – “Proprietary surfactant”; see Section 2

CERCLA

Not applicable

Pennsylvania Right-to-Know:

Not applicable

California Proposition 65: This product may contain trace chemicals known to the State of California to cause cancer.

Ethylene Oxide
1,4 Dioxane

75-21-8;
121-91-1;

Carcinogen
Carcinogen

Chemical Control Law Status: This product is in compliance with the inventory listing requirements of the Chemical Control Laws in the following countries: United States of America, Canada (NDSL), Korea, China.

WHMIS Ingredient Disclosure List: Not applicable

HMIS Health Rating:

1

HMIS Fire Rating:

1

HMIS Physical Hazards Rating:

0

HMIS Other:

NA

SECTION 16 - OTHER CONSIDERATIONS

Prepared by Regulatory Staff Phone No.: (814) 238-2424

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Emergency Phone No.: CHEMTREC 800-424-9300

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