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Product Name: PNC 400

1.00 SECTION I. MATERIAL IDENTIFICATION

CHEMICAL CHARACTERIZATION: Sodium polyacrylate

FORM: Powder
COLOR: White
ODOR: Slightly acetic

INCI NAME: Sodium Carbomer

2.00 SECTION II. INGREDIENTS AND HAZARDS

CHEMICAL IDENTITY PERMISSIBLE EXPOSURE LIMITS*
Sodium Polyacrylate 15/5 mg/m3 (total dust/resp. fraction)

*TWA - For particulates not otherwise regulated.

WARNING STATEMENT: Dust may result in slight irritation to eyes and mucous membranes. However, if the hygiene measures, which are usual in the chemical industry, are taken into account, the product is not known to be dangerous to health.

3.00 SECTION III. PHYSICAL DATA

MELTING POINT (°C) : n.a.
BOILING POINT (°C) : n.a.
DENSITY (g/ml) : n.a.
BULK DENSITY (g/ml) : 0.30-0.45
VAPOR PRESSURE (mm Hg at 20°C) : n.a.
VISCOSITY (cp at 20°C) : n.a.
pH (0.5% in water) : 6.0-7.5
SOLUBILITY IN WATER : Gel formation

4.00 SECTION IV. FIRE AND EXPLOSION DATA

AUTO IGNITION TEMPERATURE (dust cloud): n.a.

EXTINGUISHING MEDIA: (X) CO2 (May not be suitable for large fires)
(X) Foam (X) Water Spray (X) Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Concentrated water streams may create airborne dust which may form an explosive mixture with air

PROTECTIVE MEASURES TO AVOID FIRE/EXPLOSION: Product is combustible and can form an explosive dust/air mixture. Avoid dust formation. Keep away from sources of ignition. Take precautionary measures against static discharges. In case of

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fire, wear suitable breathing apparatus.

NFPA HAZARD RATING INDEX: (1) HEALTH (1) FLAMMABILITY
(0) REACTIVITY (NA) SPECIAL

5.00 SECTION V. REACTIVITY DATA

STABILITY: (X) STABLE () UNSTABLE

CONDITIONS TO AVOID: Reactions with alkalis evolves heat of neutralization. A very slippery film will form with water. Hygroscopic product.

INCOMPATIBILITY: () Water () Strong acids () Strong Bases
(X) Oxidizers () Reducers () Combustibles
() Others:

HAZARDOUS DECOMPOSITION PRODUCTS: None with proper storage and handling. Carbon monoxide, carbon dioxide, and hydrocarbons

6.00 SECTION VI. HEALTH HAZARD INFORMATION

ACUTE EFFECTS:

LD50 (oral, rat): > 2000 mg/kg (estimated)

LD50 (skin, rat): > 2000 mg/kg (estimated)

CHRONIC EFFECTS: Not known to present a chronic hazard.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE: Any respiratory or skin condition may be aggravated by exposure.

FIRST AID PROCEDURES:

SWALLOWING: Wash mouth out with water. Seek medical advice.

DERMAL EXPOSURE: Immediately remove contaminated clothing. Wash with soap and water. Contact a physician if irritation develops.

EYE EXPOSURE: Flush with plenty of physiological saline. If no saline is available, rinse eyes under flowing water for 15 minutes. Contact a physician if irritation develops.

INHALATION: Move to fresh air. Administer oxygen and seek medical assistance if difficulty breathing.

7.00 SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO TAKE IN CASE OF SPILL OR RELEASE: Collect in a suitable container avoiding dust formation. Do not wash with water to prevent formation of slippery films. If necessary, use salt water



MATERIAL SAFETY DATA SHEET

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or detergent solution.

WASTE DISPOSAL METHODS: Dispose in accordance with federal, state, and local regulations.

HANDLING AND STORAGE: Product should be stored in dry area to avoid contamination with water. Do not allow dust or powder to accumulate on floor. This product forms slippery films upon contact with water. Keep container tightly closed. Ensure good ventilation and exhaustion of working area.

OTHER PRECAUTIONS: Do not eat, drink, or smoke at the workplace. Do not breathe dust. Avoid contact with eyes, skin and mucous membranes. Wash hands during breaks and at the end of work.

8.00 SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Filter mask for powders.

DERMAL PROTECTION: Gloves, apron

EYE PROTECTION: Goggles

VENTILATION: Ensure good ventilation and exhaustion of the working area.

PROTECTIVE EQUIPMENT: Eye wash safety shower within 25 ft.

9.00 SECTION IX. SPECIAL PRECAUTIONS

ECOLOGICAL EFFECTS: Do not empty into water courses and drains.

CERCLA RQ (lbs): Not listed.

TSCA STATUS: In inventory.

SARA 313 LIST: Not listed.

SARA 304 LIST: Not listed.

DOT STATUS: Not regulated.

n.a. = not applicable n.d. = not determined

"FOR CHEMICAL EMERGENCY"

Spill, Leak, Fire, Exposure or Accident

Call CHEMTREC - Day or Night 1-800-424-9300

The statements made herein are intended to provide product safety information. This material safety data sheet has been prepared with information currently available. Although care has been taken to provide accurate information, no warranties either expressed or implied are being made as a result of the presentation of this information.