MATERIAL SAFETY DATA SHEET May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.2100. U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration (Non-Mandatory Form)

016-NDT-STD/NUC-PENETRANT (AEROSOL) (OKI BERING PT.# 0-1004-95)

SECTION II-HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

KCI, INC. CHEMTREC (24-HOUR) 800-424-9300
3710 N. DAVIDSON STREET INFORMATION 704-372-8435
CHARLOTTE, N.C. 28205 DATE PREPARED: JANUARY 10, 2011

Hazardous components CAS# OSHA PEL ACGIH TLV % (optional) This product is not regulated under the OSHA Hazard Communication Standard, 29CFR 1910.1200 or S.A.R.A. Title III. HAZARDOUS COMPONENTS CAS# OSHA PEL ACGIH TLV OTHER % 8008-20-6 KEROSENE 400PPM 80-90 PROPANE/ISOBUTANE 74-98-6 1000PPM 10-20 KEROSENE CONTAINS 0.5-1.5% XYLENE MIX(1330-20-7), 0.5-1.5% NAPTHALENE(91-20-3) 0.4-1.2%BIPHENYL(92-52-4)WHICH ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III.

SECTION III-PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: -42F TO 350F Specific Gravity(H2O=1) .8

Vapor Pressure: N/A Melting Point: N/A

Vapor Density: 4.0 Evaporation Rate: <1
(BUTYL=1)

Solubility in Water: Negative.

Appearance and Odor: Red/solvent odor.

SECTION IV-FIRE AND EXPLOSION HAZARD DATA

Flash Point(Method Used) Flammable Limits LEL UEL -156F(TCC) %BY VOLUME 2.3 9.5

Extinguishign Media: Water, Carbon Dioxide, Foam, Dry Chemical Special Firefighting Procedures: A self-contained breathing apparatus recommended for firefighters.

Aerosol cans may rupture when heated.

## **MSDS01009**



SECTION V-REACTIVITY DATA

Stability Unstable: Conditions to Avoid High temperatures.

Stable :X

Incompatibility (Materials to Avoid)

Avoid strong oxidizers and reducing agents.

Hazardous Decomposition or Byproducts

Thermal decomposition may yield carbon monoxide, water, oxides of nitrogen, and free aromatic amines.

Hazardous Polymerization: Conditions to Avoid Will not occur None known.

SECTION VI-HEALTH HAZARD DATA

Route(s) of Entry: Inhalation: YES Skin: YES Ingestion: YES

Health Hazards (Acute and Chronic)

Acute-May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of the skin.

Chronic-Long term exposure to high concentrations of vapor may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system.

Carcinogenicity: No NTP:N/A IARC Monographs:N/A OSHA: No Effects of overexposure

Ingestion: May cause gastrointestinal irritaion.

Eye Contact: May cause irritation(redness, tearing, stinging.)

Inhalation: May cause mild to severe irritation of mucous membranes.

Skin Contact: May cause redness, itching and irritation upon prolonged contact.

Emergency First Aid Procedures: Eyes:flush eyes with water for

15 minutes. Skin:wash with soap & water. Inhalation : remove to

fresh air. Call physician if ingested.

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SECTION VII-PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled:

Wash down with water or absorb

with clay.

Waste Disposal Method: Dispose of in accordance with

local, state, and federal regu-

lations.

Precautions to Be Taken in

Handling and Storing: Keep away from heat and flames.

Store at temperatures below 120F.

Other Precautions: When spraying more than one can

continously use NIOSH respirator.

SECTION VIII-CONTROL MEASURES

Respiratory Protection(Specify type)

Self-contained breathing apparatus if above TLV.

Ventilation: Local Exhaust-YES Special-N/A

Mechanical- N/A Other-N/A

Protective Gloves- Rubber Eye Protection-Wear

goggles for splash

protection.

Other Protective Clothing: As necessary to prevent prolonged

personal contact.

Work/Hygienic Practices: Water for flushing should be

available. Do not smoke while using. Wash skin after use with soap and water.

016 NDT-STD/NUC

-PENETRANT PAGE 4 OF 4

NEW JERSEY RIGHT TO KNOW INFORMATION (HAZARDOUS & NON-HAZARDOUS)

 KEROSENE
 CAS#8008-20-6

 PROPANE
 CAS#74-98-6

 NAPTHALENE
 CAS# 91-20-3

 XYLENE MIX
 CAS#1330-20-7

 N-BUTANE
 CAS#106-97-8

NFPA RATING HEALTH-1 FLAMMABILITY-4 REACTIVITY-0 OTHER-0