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CHEMTREC: 800-424-9300

### Material Safety Data Sheet

Effective Date: 01-MAR-2005 Product: PENETRATOR

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#### I. IDENTIFICATION

Chemical Name: OIL SURFACTANT Chemical Family: NONIONIC SURFACTANT

Formula: NOT APPLICABLE, FORMULATED MIXTURE.

Synonyms: NONE

CAS Number: SEE INGREDIENT STATEMENT, SECTION III.

EPA Number: CAL. REG. NO. 5905-50092-AA

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#### II. PHYSICAL DATA

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Boiling Point: 380 TO 515 DEG F. Freezing Point: <0 DEGREES F. Spec Gravity: .878 GMS/CC Vapor Pressure: 0.08 MM HG

Vapor Density: 8+

Solubility: DISPERSIBLE

Volatiles: <1% Evaporation: 1000X

Melting Point: NOT APPLICABLE

Appearance: GREEN LIQUID, MINERAL OIL ODOR.

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### III. INGREDIENTS

CAS Number Percent TLV Material Hazard \_\_\_\_\_\_ PARAFFIN BASE PETROLEUM OIL 99.00 N/E MILD SKIN & EYE (CASRN 64742-55-8 OR 64742-56-IRRITANT 9), POLYOL FATTY ACID ESTERS, POLYETHOXYLATED DERIVATIVE

THEREOF

INERT INGREDIENTS 1.00 N/E NON-HAZARDOUS

## IV. FIRE AND EXPLOSION HAZARD

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Flash Point: >200 DEGREES F. Autoignition Temp: 650 DEG F (ESTIMATE) Flammable Limit: NOT ESTABLISHED

Extinguishing Media: WATER SPRAY, FOAM, DRY CHEMICAL AND CARBON

DIOXIDE.

Special Fire Fight Proc: WEAR SELF-CONTAINED BREATHING APPARATUS AND

AVOID BREATHING FUMES.

Fire and Expl Hazard: USE WATER SPRAY TO KEEP FIRE-EXPOSED

CONTAINERS COOL.

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### V. HEALTH HAZARD

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Carcinogen Information: NONE CURRENTLY KNOWN.

### ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: THIS PRODUCT IS JUDGED TO HAVE AN ACUTE ORAL

LD50 (RAT) GREATER THAN 5 GM/KG.

Skin Absorption: THIS PRODUCT IS JUDGED TO HAVE AN ACUTE DERMAL

LD50 (RABBIT) GREATER THAN 3 GM/KG.

Inhalation: VAPOR PRESSURE IS VERY LOW. VAPOR INHALATION

UNDER AMBIENT CONDITIONS IS NORMALLY NOT A

PROBLEM.

Skin contact: MAY CAUSE IRRITATION AFTER REPEATED EXPOSURE.

Eye Contact: PRODUCT CONTACTING THE EYES MAY CAUSE EYE

IRRITATION.

Chronic Effects: PROLONGED OR REPEATED SKIN CONTACT WITH THIS

PRODUCT TENDS TO REMOVE SKIN OILS, POSSIBLY

LEADING TO IRRITATION AND DERMATITIS.

Other Hazard: NONE CURRENTLY KNOWN.

# EMERGENCY AND FIRST AID PROCEDURES

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Swallowing: IF INGESTED, "DO NOT INDUCE VOMITING." CALL A

PHYSICIAN IMMEDIATELY.

Skin: WASH SKIN THOROUGHLY WITH SOAP AND WATER. IF

IRRITATION DEVELOPS, CONSULT A PHYSICIAN. WASH

CLOTHING BEFORE REUSE.

Inhalation: MOVE TO FRESH AIR IF IRRITATION IS NOTED.

CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING

EYELIDS OPEN. IF IRRITATION DEVELOPS, CONSULT A

PHYSICIAN.

Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT

SHOULD BE DIRECTED TOWARD CONTROL OF THE SYMPTOMS. PRODUCT HAS A LOW ORDER OF ACUTE ORAL AND DERMAL TOXICITY, BUT MINUTE AMOUNTS ASPIRATED INTO THE LUNGS DURING INGESTION OR VOMITING MAY CAUSE MILD TO SEVERE PULMONARY

INJURY.

# VI. REACTIVITY

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Stability: Stable

Conditions to Avoid: NONE CURRENTLY KNOWN.

Polymerization: Will Not Occur

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Conditions to Avoid: NONE CURRENTLY KNOWN.

Incompatibility material: DO NOT ALLOW CONTACT WITH OXIDIZERS. Hazardous Combustion: MAY PRODUCE OXIDES OF CARBON UNDER FIRE

CONDITIONS.

### VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: DIKE AND ABSORB SPILL WITH AN ABSORBENT SUCH AS

CLAY, SAND, OR SAWDUST. TRANSFER TO SUITABLE CONTAINERS FOR PROPER DISPOSAL. FLUSH SPILL AREA WITH WATER, ABSORB, AND PLACE IN SAME

CONTAINERS WITH OTHER MATERIAL.

Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO

FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE

RESOURCE CONSERVATION AND RECOVERY ACT.

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#### VIII. SPECIAL PROTECTION INFORMATION

Respiration: IF SPRAY IS PRESENT, USE NIOSH/MSHA APPROVED

RESPIRATORY PROTECTION APPROPRIATE FOR

INDICATED COMPONENTS.

Ventilation: LOCAL EXHAUST SUFFICIENT.

Gloves: IMPERVIOUS

Eyes: CHEMICAL WORKERS GOGGLES.

Other: EYE WASH STATION, IMPERVIOUS APRON AND

FOOTWEAR.

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# IX. SPECIAL PRECAUTIONS

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Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE

WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS. KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS, FLAMES, OR

STRONG OXIDANTS.

Other precaution: HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM

HYDROCARBONS AND SYNTHETIC LUBRICANTS POSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION,

EXPOSURE TO LIQUIDS, VAPORS, MISTS, OR FUMES

SHOULD BE MINIMIZED.

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## X. SHIPPING INFORMATION

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Shipping name: NOT REGULATED BY DOT, IATA, OR IMDG.

Hazard Class: NONE Identification No: NONE

Labels Required: NONE REQUIRED Placarding: NOT REQUIRED

Freight Class: ADJUVANT, SPREADER OR STICKER, LIQUID, NOIBN

Chemical Name Equivalent R.Q.

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NOT APPLICABLE NOT APPLICABLE

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### XI. GENERAL PRODUCT INFORMATION

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National Fire Protection Association Rating:

(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum

Health: 1 Fire: 1 Reactivity: 0

S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y Delayed (Chronic) Health: N Sudden Release of pressure: N Fire: N

Reactive: N

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Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017 Helena Chemical Company believes that the data contained herein is factual. This data is not to be taken as a warranty or representation of legal responsibility. It is offered solely for your consideration, investigation and verification.