

PENNZOIL PRODUCTS CO PENRECO DIV -- DRAKEOL 10B - NF GRADES -- 9150-00-137-6344
===== Product Identification =====

Product ID:DRAKEOL 10B - NF GRADES

MSDS Date:02/05/1998

FSC:9150

NIIN:00-137-6344

Status Code:A

MSDS Number: CJKMT

=== Responsible Party ===

Company Name:PENNZOIL PRODUCTS CO PENRECO DIV

Address:138 PETROLIA ST

City:KARNS CITY

State:PA

ZIP:16041-9799

Country:US

Info Phone Num:4

12-765-0110

Emergency Phone Num:800-546-6040

Resp. Party Other MSDS Num.:013387

CAGE:00BA9

=== Contractor Identification ===

Company Name:HOC INDUSTRIES, INC

Address:3511 N. OHIO

Box:2609

City:WICHITA

State:KS

ZIP:67219

Country:US

Phone:316-838-4663

Contract Num:SP0450-99-M-B122

CAGE:0A9L8

Company Name:PENNZOIL PRODUCTS CO PENRECO DIV

Address:138 PETROLIA ST

Box:City:KARNS CITY

State:PA

ZIP:16041-9799

Country:US

Phone:412-765-0110

CAGE:00BA9

===== Composition/Information on Ingredie

nts =====

Ingred Name:WHITE MINERAL OIL (PETROLEUM)

CAS:8042-47-5

RTECS #:PY8047000

= Wt:100.

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: MINIMALLY IRRITATING UPON DIRECT CONTACT. SKIN: NOT EXPECTED TO CAUSE ANY IRRITATION. INHALATION: NOT EXPECTED TO PRESENT AN INHALATION HAZARD AT AMBIENT CONDITIONS.

AEROSOLIZATION OR MISTING OF PRODUCT & INHALATION MAY CAUSE LIPID PNEUMONIA OR LIPID GRANULOMA. INGESTION: RELATIVELY NON-TOXIC UNLESS ASPIRATION OCCURS, WHICH COULD LEAD TO CHEMICAL PNEUMONITIS WHICH IS CHARACTERIZED BY PULMONARY EDEMA & HEMORRHAGE & MAY BE FATAL.

Effects of Overexposure:INGESTION: INCREASED RESPIRATORY RATE, INCREASED HEART RATE, AND A BLUISH DISCOLORATION OF THE SKIN. COUGHING, CHOKING, & GAGGING ARE OFTEN NOTED AT THE TIME OF ASPIRATION. GASTROIN

TESTINAL DISCOMFORT MAY DEVELOP, FOLLOWED BY VOMITING WITH A FURTHER RISK OF ASPIRATION. THIS PRODUCT HAS LAXATIVE PROPERTIES & MAY RESULT IN ABDOMINAL CRAMPS & DIARRHEA.

===== First Aid Measures =====

First Aid:EYES: IMMEDIATELY FLUSH W/ LARGE AMOUNTS OF WATER & CONTINUE FLUSHING UNTIL IRRITATION SUBSIDES. IF MATERIAL IS HOT, TREAT FOR THERMAL BURNS & TAKE VICTIM TO HOSPITAL IMMEDIATELY. SKIN: REMOVE CONTAMINATED CLOTHING. IF MATERI

AL IS HOT, SUBMERGE INJURED AREA

IN COLD WATER. IF VICTIM IS SEVERELY BURNED, REMOVE TO A HOSPITAL IMMEDIATELY. INHALATION: NOT EXPECTED TO PRESENT EXPOSURE AT AMBIENT CONDITIONS. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS LOWER HEAD BELOW KNEES TO AVOID ASPIRATION. SEEK IMMEDIATE MEDICAL ATT'N.

===== Fire Fighting Measures =====

Flash Point Method:COC

Flash Point:=-160.C, 320.F

Autoignition Temp:Autoignition Temp Text:N/D

Low

r Limits:N/D

Upper Limits:N/D

Extinguishing Media:USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE.

Fire Fighting Procedures:WATER MAY BE INEFFECTIVE BUT CAN BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FLAME. CAUTION SHOULD BE EXERCISED WHEN USING WATER OR FOAM AS FROTHING MAY OCCUR, ESPECIALLY IF SPRAYED INTO CONTAINERS OF HOT, BURNING LIQUID.

Unusual Fire/Explosion Hazard:DENSE SMOKE MAY BE GENERATED WHILE BURNING. CARBON MONOXIDE, CARBON DIOXIDE, AND OTHER OXIDES MAY BE GENERATED AS PRODUCTS OF COMBUSTION.

===== Accidental Release Measures =====

Spill Release Procedures:CONSULT ENTIRE MSDS. NOTIFY APPROPRIATE AUTHORITIES OF SPILL. CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATERCOURSES. REMOVE ALL SOURCES OF IGNITION. ABSORB W/ APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC. LARGE SPILLS MAY BE PICKED UP USING VACUUM PUMPS, SHOVELS, BUCKETS, OR OTHER MEANS & PLACED IN DRUMS OR OTHER SUITABLE CONTAINERS.

===== Handling and Storage =====

Handling and Storage Precautions:DO NOT TRANSFER TO UNMARKED CONTAINERS. STORE IN CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME, OR OXIDIZING MATERIALS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATORY PROTECTION IS NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, USE AN

ORGANIC VAPOR RESPIRATOR WITH A DUST AND MIST FILTER . ALL RESPIRATORS MUST BE NIOSH CERTIFIED. DO NOT USE COMPRESSED OXYGEN IN HYDROCARBON ATMOSPHERES.

Ventilation:IF VAPOR OR MIST IS GENERATED WHEN THE MATERIAL IS HEATED OR HANDLED, ADEQUATE VENTILATION IN ACCORDANCE WITH GOOD ENGINEERING PRACTICE.

Protective Gloves:IMPERVIOUS

Eye Protection:PLASTIC FACE SHIELD OR SPLASH-PROOF SAFETY GOGGLES.

Other Protective Equipment:IMPERVIOUS CLOTHING OVER PARTS OF THE BODY SUBJECT TO

EXPOSURE. IF HANDLING HOT MATERIAL, USE INSULATED
PROTECTIVE CLOTHING(BOOTS, GLOVES, APRONS, ETC)

Work Hygienic Practices:CONSUMPTION OF FOOD AND BEVERAGE SHOULD BE
AVOIDED IN WORK AREAS WHERE HYDROCARBONS ARE PRESENT. ALWAYS WASH
HANDS AND FACE WITH SOAP AND WATER BEFORE EATING, DRINKING OR
SMOKING.

Supplemental Safety and Health
NONE

===== Physical/Chemical Properties =====

HCC:V6

Boiling Pt:=293.3C, 560.F

B.P. Text:APPROXIMATELY

Melt/Freeze Pt:M.

P/F.P Text:N/D

Decomp Temp:Decomp Text:N/D

Vapor Pres:1

Spec Gravity:APP. 0.88 @ 60 F

Evaporation Rate & Reference: