

ARCO PRODUCTS CO DIV OF ATLANTIC RICHFIELD CO -- HEATING OIL,HEATING OIL P&E --  
9140-00-286-5297

===== Product Identification =====

Product ID:HEATING OIL,HEATING OIL P&E

MSDS Date:07/18/1989

FSC:9140

NIIN:00-286-5297

MSDS Number: BPBXV

=== Responsible Party ===

Company Name:ARCO PRODUCTS CO DIV OF ATLANTIC RICHFIELD CO

Address:1055 W 7TH ST

City:LOS ANGELES

State:CA

ZIP:90017-2503

Country:US

Info Phone Num:800-322-2726

Emergency Phone Num:213-484-5151/800-424

-9300(CHEMTREC)

CAGE:9V333

=== Contractor Identification ===

Company Name:ARCO PRODUCTS CO DIV OF ATLANTIC RICHFIELD CO

Address:333 S HOPE ST

Box:512570

City:LOS ANGELES

State:CA

ZIP:90071-0570

Country:US

Phone:213-486-0773/800-322-2726 INFO

CAGE:9V333

===== Composition/Information on Ingredients =====

Ingred Name:ALIPHATIC PETROLEUM DISTILLATES

CAS:68476-30-2

Fraction by Wt: 100%

Other REC Limits:100 PPM STODDARD SOL

OSHA PEL:400 PPM PETR. DIST.

ACGIH TLV:400 PPM RUBBER SOLV

.

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

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

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

Health Hazards Acute and Chronic:ACUTE: IRRITATION OF ALL BODY TISSUES.

ASPIRATION INTO LUNGS CAN LEAD TO CHEMICAL PNEUMONIA. CHRONIC:  
DERMATITIS.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS  
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES: MILD IRRITAT

ION. SKIN: IRRITATION,  
DERMATITIS. INHALATION: NOSE, THROAT AND LUNG IRRITATION, CENTRAL  
NERVOUS SYSTEM DEPRESSION. INGESTION: MOUTH, THROAT AND STOMACH  
IRRITATION, NAUSEA, VOMITING, DIARRHEA AND RESTLESSNESS.  
ASPIRATION INTO LUNGS WILL CAUSE CHEMICAL PNEUMONIA.  
Medical Cond Aggravated by Exposure: PERSONS WITH A HISTORY OF SKIN,  
RESPIRATORY OR CENTRAL NERVOUS SYSTEM DISORDERS MAY BE AT INCREASED  
RISK FROM EXPOSURE.

===== First Aid Measures =====  
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First Aid: EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES.  
GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH  
WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. GIVE  
OXYGEN/CPR IF NEEDED. SEE DOCTOR IF BREATHING DIFFICULTIES  
CONTINUE. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point Method: PMCC  
Flash Point: 140F, 60C  
Autoignition Temp: Autoignition Temp Text: 495F  
Lower Limits: 0.6  
Upper Limits: 7.5  
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL  
OR HALON.  
Fire Fighting Procedures: WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard: MODERATELY COMBUSTIBLE. WHEN HEATED ABOVE  
FLASH POINT WILL RELEASE FLAMMABLE VAPORS WHICH CAN BURN IN THE  
OPEN OR BE EXPLOSIVE IN CONFINED SPACES.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENT, ELIMINATE SOURCES  
OF IGNITION, AND VENTILATE AREA AS REQUIRED. ABSORB WITH INERT  
MATERIAL. PLACE WASTE IN DOT APPROVED CONTAINER FOR DISPOSAL. SPILL  
AREA MAY BE SLIPPERY. WASH WITH SOAP AND WATER.

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

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL VENTILATED  
AREA AWAY FROM HEAT AND IGNITION

SOURCES. KEEP CONTAINER CLOSED

WHEN NOT IN USE. DO NOT USE AS CLEANING AGENT.

Other Precautions:EMPTY CONTAINERS RETAIN RESIDUE. OBSERVE HAZARD PRECAUTIONS WHEN HANDLING EMPTY CONTAINERS. SPECIAL SLOW LOAD PROCEDURES FOR "SWITCH LOADING" MUST BE FOLLOWED WHEN THIS MATERIAL IS LOADED INTO TANKS P REVIOUSLY CONTAINING GASOLINE.

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

Respiratory Protection:NONE NORMALLY NEEDED. IF VENTILATION DOES NOT MAINTAIN INHA

LATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA

APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134,

INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRAT OR SELECTION.

Ventilation:MECHANICAL (GENERAL) VENTILATION IS USUALLY ADEQUATE.

Protective Gloves:RUBBER GLOVES

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH

THOROUGHLY AFTER HANDLING AND BEFORE

EATING OR DRINKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

USE OF THIS HEATING OIL IN NON-FLUE CONNECTED HEATING APPLIANCES CAN RESULT IN PERSONAL INJURY. MATERIALS SIMILAR OR SOME COMPONENTS IN THIS PRODUCT WERE FOUND TO BE MUTAGENIC IN VITRO AND IN VIVO TESTS. RELATIONSHIP TO HUMAN EFFECTS IS NOT KNOWN.

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

HCC:F4

Boiling Pt:B.P. Text:325F

,163C

Melt/Freeze Pt:M.P/F.P Text:-5F,-21C

Vapor Pres: