

ARCO PRODUCTS CO DIV OF ATLANTIC RICHFIELD CO -- NAVAL DISTILLATE -- 9140-00-273-2377  
===== Product Identification =====

Product ID:NAVAL DISTILLATE

MSDS Date:07/09/1990

FSC:9140

NIIN:00-273-2377

MSDS Number: BKQVJ

=== 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:310-272-365

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Emergency Phone Num:310-272-3659

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:PETROLEUM OIL (NO. 2 DIESEL)(MAY CONTAIN ING. 2-4)

CAS:68334-30-5

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

Ingred Name:1,2,4-TRIMETH

YLBENZENE (SARA III)  
CAS:95-63-6  
RTECS #:DC3325000  
Fraction by Wt: 0.1-0.5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:25 PPM  
ACGIH TLV:25 PPM; 9192

Ingred Name:NAPHTHALENE (SARA III)  
CAS:91-20-3  
RTECS #:QJ0525000  
Fraction by Wt: 1-2%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 PPM/15 STEL  
ACGIH TLV:10 PPM/15 STEL; 9192  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:XYLENES (O-,M-,P- ISOMERS) (SARA III)  
CAS:1330-20-7  
RTECS #:ZE2100000  
Fraction by Wt: 0.1-0.5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:100 PPM/150 STEL  
ACGIH TLV:100 PPM/150 STEL; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:CONTACT WITH LIQUID, MIST OR VAPOR CAN  
IRRITATE SKIN AND RESPIRATORY TRACT. ASPIRATION INTO THE LUNGS WILL  
CAUSE CHEMICAL PNEUMONIA. EYE IRRITATION, IRRITATION OF THE MOUTH,  
THROAT AND GASTROINTESTINAL TRACT AND CENTRAL NERVOUS SYSTEM  
DEPRESSION MAY OCCUR.  
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS  
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.  
Effects of Overexposure:EYE IRRITATION, SKIN IRRITATION,  
NOSE/THROAT/LUNG IRRITATION, NAUSEA, VOMITING, DIARRHEA,  
RESTLESSNESS, DROWSINESS, LOSS OF COORDINATION.  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING CENT

RAL

NERVOUS SYSTEM DISEASE, SKIN DISORDERS OR CHRONIC RESPIRATORY DISEASES SHOULD AVOID EXPOSURE TO THIS PRODUCT.

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

First Aid:INHALATION: IMMEDIATELY MOVE TO FRESH AIR. FOR RESPIRATORY DISTRESS, GIVE AIR, OXYGEN OR ADMINISTER CPR, IF NECESSARY. OBTAIN MEDICAL ATTENTION AS REQUIRED. EYES: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION. SKIN: THOROUGHLY WASH WITH SOAP AND WATER. INGESTION: DO NOT INDUCE VOMITING. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS. GET MEDICAL ATTENTION.

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===== 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:FOAM, DRY CHEMICAL, HALON, CARBON DIOXIDE, WATER FOG

Fire Fighting Procedures:DO NOT ENTER ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT.

THIS MAY INCLUDE SCBA TO

PROTECT AGAINST HAZARDOUS COMBUSTION PRODUCTS.

Unusual Fire/Explosion Hazard:WHEN HEATED ABOVE FLASH POINT, MATERIAL WILL RELEASE FLAMMABLE VAPORS WHICH IF EXPOSED TO AN IGNITION SOURCE CAN BURN OR EXPLODE.

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

Spill Release Procedures:CONTAIN SPILL. REMOVE ALL IGNITION SOURCES AND SAFELY STOP FLOW OF SPILL. SPILL MAY CREATE SLIPPING HAZARDS.

PREVENT FROM ENTERING BODIES OF WATER IF

POSSIBLE. SPILLS MAY NEED

TO BE REPORTED TO THE NATIONAL RESPONSE CENTER. ABSORB SPILL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:SPECIAL SLOW LOADING PROCEDURES FOR SWITCH LOADING MUST BE FOLLOWED TO AVOID STATIC IGNITION HAZARD. USE IN ADEQUATELY VENTILATED AREA.

Other Precautions:KEEP CONTAINERS CLOSED AND AWAY FROM HEAT AND IGNITION SOURCES. DO NOT USE PRODUCT AS

A CLEANING AGENT. EMPTY  
CONTAINERS RETAIN RESIDUE AND MAY BE HAZARDOUS.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.

Ventilation:ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATIONS OF MATERIAL BELOW APPLICABLE EXPOSURE LIMITS.

Protective Glov

es:NITRILE

Eye Protection:CHEMICAL GOGGLES AND/OR FACE SHIELD

Other Protective Equipment:AVOID ALL SKIN CONTACT; WEAR OIL IMPERVIOUS CLOTHING.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

LIFETIME EXPOSURE TO WHOLE DIESEL EXHAUST HAS BEEN SHOWN TO PRODUCE LUNG TUMORS IN LABORATORY ANIMALS. THE EXACT RELATIONSHIP BETWEEN THESE FINDINGS AND POSSIBLE HUMAN EFFECTS IS NOT KNOWN.

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

HCC:F4

Boiling Pt:B.P. Text:350F,177C

Melt/Freeze Pt:M.P/F.P Text:15.0F,-9.4C

Vapor Pres:< 0.1

Vapor Density:7

Spec Gravity:0.86

Viscosity:3 CST @100F

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NEGLIGIBLE

Appearance and Odor:LIGHT YELLOW TO AMBER-COLORED LIQUID, KEROSENE ODOR

Percent Volatiles by Volume:SLIGHT

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avo

id:YES

STRONG ACIDS, ALKALIES AND OXIDIZERS SUCH AS LIQUID CHLORINE AND OXYGEN

Stability Condition to Avoid:HEAT AND IGNITION SOURCES

Hazardous Decomposition Products:CARBON MONOXIDE AND OTHER HARMFUL  
GASES/VAPORS INCLUDING OXIDES AND/OR OTHER COMPOUNDS OF SULFUR.

===== Disposal Considerations =====

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE

WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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