



14700 Downey Avenue  
P.O. Box 1418  
Paramount, CA 90723  
(310) 531-2060

**PARAMOUNT PETROLEUM CORPORATION MSDS**

LIQUID ASPHALT

P. 1 of 5

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

PRODUCT CODE: PPC 350  
GRADE: SC-70  
MANUFACTURE: PARAMOUNT PETROLEUM CORPORATION  
14700 Downey Ave.  
Paramount California 90723

EMERGENCY TELEPHONES:  
CHEMTREC: 800-424-9300  
PARAMOUNT: 310-531-2060  
MSDS PREPARATION DATE: July 15, 1996

COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS #	CONTENTS	OSHA TWA	ACGIH TLV-TWA
ASPHALT	8052-42-4	N/A	N/A	N/A
DIESEL FUEL	68334-30-5	N/A	N/A	N/A
ASPHALT FUMES	MX8052424	N/A	5mg/m3	5mg/m3
HYDROGEN SULFIDE	7783-06-4	N/A	10 ppm	10 ppm

(H2S from hot asphalt may accumulate in the head space of tanks.)

FIRST AID MEASURES

Rinse area with water for at least 15 minutes and get medical attention.  
FIRST AID: Completely submerge affected area in ice water. DO NOT apply ice directly to affected area. For minor burns get the victim to a physician. For serious burns get the victim to a hospital. DO NOT ATTEMPT TO REMOVE THE ASPHALT CEMENT with products containing solvents or ammonia. Natural separation will occur in about 48-72 hours. If necessary for early removal, soak bandage in mineral oil and place over affected area for 2 to 3 hours.  
IN CASE OF INGESTION CALL THE LOS ANGELES POISON CONTROL CENTER:  
(800) 777-6476

**FIRE FIGHTING INFORMATION**

NFPA 704 HAZARD		NFPA Scale
Health Risk	= 2	4 = Extreme
Flammability	= 2	3 = High
Reactivity	= 0	2 = Moderate
Other	= W	1 = Insignificant

FLASH POINT (F):	150 Minimum
NFPA FLAMMABILITY RATING:	III
OSHA FLAMMABILITY CLASS :	Combustible liquid

EXTINGUISHING MEDIA: Water spray, fog or mist, dry chemicals, sand, dolomite etc., DO NOT use a water stream.

SPECIAL FIRE FIGHTING PROCEDURES: Fight advanced or massive fires from safe distance or protected location. Avoid water in a straight hose stream as the stream will cause splatter and spread fire.

EVACUATION PROCEDURES: Persons without protective equipment & clothing should be restricted from hazard area. Stay uphill and up wind of the release.

RESPIRATOR RECOMMENDATION: Use self contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: Hot asphalt may splash or boilover on contact with water.

**ACCIDENTAL RELEASE MEASURES**

Use water spray to reduce vapors.  
Extinguish all ignition sources. Avoid sparks, flames, heat, smoking.  
Protect the environment by damming the material ahead of run off.

**HANDLING AND STORAGE**

Use insulated tanks with a nitrogen purge. See API publication 2023'.  
Label Information:

WARNING: CONTAINS AROMATIC PETROLEUM OIL. LIQUID MAY CAUSE IRRITATION OR MORE SERIOUS SKIN DISORDERS ON PROLONGED OR REPEATED SKIN CONTACT. PROLONGED SKIN CONTACT HAS CAUSED SKIN CANCER IN LABORATORY ANIMALS. HOT MATERIAL WILL CAUSE BURNS. AVOID CONTACT WITH SKIN AND CLOTHING. AVOID BREATHING VAPOR. KEEP AWAY FROM HEAT AND FLAME. USE WITH ADEQUATE VENTILATION. WHEN CONTACT IS LIKELY, WEAR OIL IMPERVIOUS CLOTHING AND GLOVES. DO NOT INGEST. IF INGESTED: DO NOT INDUCE VOMITING. CALL A DOCTOR.

**EXPOSURE CONTROL/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** (Required above 5mg/m<sup>3</sup> TWA for an 8 hr day)  
Respiratory protection must be used if the exposure level exceeds the Permissible Exposure Level (PEL). The PEL for H<sub>2</sub>S is 10 ppm TWA.

**PROTECTIVE CLOTHING OR EQUIPMENT:** Use Insulated, Leather or Xetex gloves. A splash jacket and boots are recommended. No bare skin may be exposed to hot asphalt.

**EYE PROTECTION:** Wear safety glasses and face shield to prevent any possibility of contact with hot asphalt.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Burns.

**HYGIENIC WORK PRACTICES:** Wash promptly if skin becomes contaminated. Use engineering controls to reduce air contamination to a safe level. Repeated exposure may cause chronic upper respiratory irritation Mild dermatitis, allergic skin rash.

**VENTILATION REQUIREMENTS:** Well ventilated area.

**SKIN CONTACT:** Remove victim from source of contamination.

**INHALATION:** Move the exposed person to fresh air at once.

**INGESTION:** NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS.

**PHYSICAL AND CHEMICAL PROPERTIES**

Viscosity, 140 (F), cSt	104
Flash Point (F), T.O.C	270
API Gravity 60 (F),	15.0
Density, 60 (F), Lbs/Gal	8.04
Appearance:	liquid, viscous
Color :	black
Odor :	hydrocarbon

**STABILITY AND REACTIVITY**

<b>STABILITY:</b>	Normally stable
<b>CONDITIONS TO AVOID:</b>	Oxidizers & Flame
<b>REACTIVITY INDEX:</b>	Normally stable (0)
<b>HAZARDOUS DECOMPOSITION:</b>	CO & CO <sub>2</sub>
<b>HAZARDOUS POLYMERIZATION:</b>	N/A
<b>WATER REACTIVE :</b>	Elevated Temperature Liquid
<b>AIR REACTIVE? :</b>	N/A

**INCOMPATIBLE CLASSES OF CHEMICALS:** OXIDIZERS.

**TOXICOLOGICAL INFORMATION**

ROUTES OF ENTRY: inhalation, skin absorption, ingestion, skin and/or eye contact.

TARGET ORGANS : central nervous system, gastro-intestinal tract, heart & cardiovascular system, kidneys, liver, respiratory system, lungs.  
TOXIC DOSE (LD 50): Asphalt N/A

**PERMISSIBLE EXPOSURE LIMITS:**

OSHA PEL:	5mg/m <sup>3</sup> (Asphalt Fumes)	
ACGIH TLV:	5mg/m <sup>3</sup> (Asphalt Fumes)	CARCINOGENICITY:
ACGIH STEL:	No std	NTP? NO
NIOSH PEL:	No std	IARC? NO
NIOSH IDLH:	No std	OSHA? NO

**ECOLOGICAL INFORMATION**

ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE AUTHORITIES. IN CASE OF A SIGNIFICANT LAND SPILL NOTIFY CALIFORNIA OFFICE OF EMERGENCY SERVICES, LOCAL FIRE DEPARTMENT, STATE FIRE MARSHAL, CALIFORNIA HIGHWAY PATROL AND DEPARTMENT OF TRANSPORTATION. THE U.S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS. THE COAST GUARD NUMBER IS (800)-(424-8802).

**DISPOSAL CONSIDERATIONS**

Confirm disposal procedures with environmental engineer & local, state and federal regulations.

ATTENTION: EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE, INCLUDING COMBUSTIBLE MATERIALS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR CONTAINER. ALL LABEL WARNING AND PRECAUTIONS MUST BE OBSERVED UNTIL CONTAINER HAS BEEN THOROUGHLY CLEANED.

**TRANSPORTATION INFORMATION**

D.O.T SHIPPING NAME: Hot Asphalt, Cutback, 3, NA 1999, III

D.O.T.	HAZARD CLASS:	CLASS 3,
D.O.T.	ID NUMBER:	NA 1999,
D.O.T.	MARKING:	HOT
D.O.T.	PK.GP.	III
Product Name:		Liquid Asphalt

Product should be considered and oil for D.O.T emergency planning.  
Typical Shipping Temperature: 150 (F)

**REGULATORY INFORMATION**

**CLEAN WATER ACT / OIL POLLUTION ACT**

This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges or spills into or leading to surface waters that cause a sheen must be reported to the National Response Center (1-800-424-8802).

**THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355**

SARA Section (301-304)

No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen)

**HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370**

(SARA Section 311-312).

EPA HAZARD CODE:	Acute	Chronic	Fire	Pressure	Reactive
ASSESSMENT:	YES	YES	YES	None	None

**TOXIC CHEMICALS FOR RELEASE REPORTING 40 CFR 372 (SARA Section 313)**

ASSESSMENT: This product contains no toxic chemicals at concentrations above the established de minimis levels.

PROPOSITION 65 LISTINGS. California Safe Drinking Water and Toxic Enforcement Act of 1986: Bitumens are on this chemical list.

DETECTABLE AMOUNTS OF CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM ARE FOUND IN THIS PRODUCT.

(California Health and Safety Code 25249.6)

Not legal in the SCAQMD. Check local environmental regulations.

**OTHER INFORMATION**

**DISCLAIMER OF EXPRESS AND IMPLIED WARRANTIES**

No warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information. The results obtained from the use of this information or product, and the safe use of the product are the sole responsibility of the user.

Revised and approved for use by: Fire, Safety & Security. 07-16-96



14700 Downey Avenue  
P.O. Box 1418  
Paramount, CA 90723  
(310) 531-2060

## PARAMOUNT PETROLEUM CORPORATION MSDS

### LIQUID ASPHALT

P. 1 of 5

#### CHEMICAL PRODUCT/COMPANY IDENTIFICATION

PRODUCT CODE: PPC 360  
GRADE: SC-250  
MANUFACTURE: PARAMOUNT PETROLEUM CORPORATION  
14700 Downey Ave.  
Paramount California 90723

EMERGENCY TELEPHONES:  
CHEMTREC: 800-424-9300  
PARAMOUNT: 310-531-2060  
MSDS PREPARATION DATE: July 15, 1996

#### COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS #	CONTENTS	OSHA TWA	ACGIH TLV-TWA
ASPHALT	8052-42-4	N/A	N/A	N/A
DIESEL FUEL	68334-30-5	N/A	N/A	N/A
ASPHALT FUMES	MX8052424	N/A	5mg/m3	5mg/m3
HYDROGEN SULFIDE	7783-06-4	N/A	10 ppm	10 ppm

(H2S from hot asphalt may accumulate in the head space of tanks.)

#### FIRST AID MEASURES

Rinse area with water for at least 15 minutes and get medical attention.  
FIRST AID: Completely submerge affected area in ice water. DO NOT apply ice directly to affected area. For minor burns get the victim to a physician. For serious burns get the victim to a hospital. DO NOT ATTEMPT TO REMOVE THE ASPHALT CEMENT with products containing solvents or ammonia. Natural separation will occur in about 48-72 hours. If necessary for early removal, soak bandage in mineral oil and place over affected area for 2 to 3 hours.

IN CASE OF INGESTION CALL THE LOS ANGELES POISON CONTROL CENTER:  
(800) 777-6476

**FIRE FIGHTING INFORMATION**

NFPA 704 HAZARD		NFPA Scale
Health Risk	= 2	4 = Extreme
Flammability	= 2	3 = High
Reactivity	= 0	2 = Moderate
Other	= W	1 = Insignificant

FLASH POINT (F):	175 Minimum
NFPA FLAMMABILITY RATING:	III
OSHA FLAMMABILITY CLASS :	Combustible liquid

EXTINGUISHING MEDIA: Water spray, fog or mist, dry chemicals, sand, dolomite etc., DO NOT use a water stream.

SPECIAL FIRE FIGHTING PROCEDURES: Fight advanced or massive fires from safe distance or protected location. Avoid water in a straight hose stream as the stream will cause splatter and spread fire.

EVACUATION PROCEDURES: Persons without protective equipment & clothing should be restricted from hazard area. Stay uphill and up wind of the release.

RESPIRATOR RECOMMENDATION: Use self contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: Hot asphalt may splash or boilover on contact with water.

**ACCIDENTAL RELEASE MEASURES**

Use water spray to reduce vapors.  
Extinguish all ignition sources. Avoid sparks, flames, heat, smoking.  
Protect the environment by damming the material ahead of run off.

**HANDLING AND STORAGE**

Use insulated tanks with a nitrogen purge. See API publication 2023.  
Label Information:

WARNING: CONTAINS AROMATIC PETROLEUM OIL. LIQUID MAY CAUSE IRRITATION OR MORE SERIOUS SKIN DISORDERS ON PROLONGED OR REPEATED SKIN CONTACT. PROLONGED SKIN CONTACT HAS CAUSED SKIN CANCER IN LABORATORY ANIMALS. HOT MATERIAL WILL CAUSE BURNS. AVOID CONTACT WITH SKIN AND CLOTHING. AVOID BREATHING VAPOR. KEEP AWAY FROM HEAT AND FLAME. USE WITH ADEQUATE VENTILATION. WHEN CONTACT IS LIKELY, WEAR OIL IMPERVIOUS CLOTHING AND GLOVES. DO NOT INGEST. IF INGESTED: DO NOT INDUCE VOMITING. CALL A DOCTOR.

**EXPOSURE CONTROL/PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:** (Required above 5mg/m<sup>3</sup> TWA for an 8 hr day)  
Respiratory protection must be used if the exposure level exceeds the Permissible Exposure Level (PEL). The PEL for H<sub>2</sub>S is 10 ppm TWA.

**PROTECTIVE CLOTHING OR EQUIPMENT:** Use Insulated, Leather or Xetex gloves. A splash jacket and boots are recommended. No bare skin may be exposed to hot asphalt.

**EYE PROTECTION:** Wear safety glasses and face shield to prevent any possibility of contact with hot asphalt.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Burns.

**HYGIENIC WORK PRACTICES:** Wash promptly if skin becomes contaminated. Use engineering controls to reduce air contamination to a safe level. Repeated exposure may cause chronic upper respiratory irritation Mild dermatitis, allergic skin rash.

**VENTILATION REQUIREMENTS:** Well ventilated area.

**SKIN CONTACT:** Remove victim from source of contamination.

**INHALATION:** Move the exposed person to fresh air at once.

**INGESTION:** NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS.

**PHYSICAL AND CHEMICAL PROPERTIES**

Viscosity, 140 (F), cSt	390
Flash Point (F), C.O.C	300
API Gravity 60 (F),	13.4
Density, 60 (F), Lbs/Gal	8.13
Appearance:	liquid, viscous
Color :	black
Odor :	hydrocarbon

**STABILITY AND REACTIVITY**

<b>STABILITY:</b>	Normally stable
<b>CONDITIONS TO AVOID:</b>	Oxidizers & Flame
<b>REACTIVITY INDEX:</b>	Normally stable (0)
<b>HAZARDOUS DECOMPOSITION:</b>	C0 & C02
<b>HAZARDOUS POLYMERIZATION:</b>	N\A
<b>WATER REACTIVE :</b>	Elevated Temperature Liquid
<b>AIR REACTIVE? :</b>	N\A

**INCOMPATIBLE CLASSES OF CHEMICALS:** OXIDIZERS.

**TOXICOLOGICAL INFORMATION**

ROUTES OF ENTRY: inhalation, skin absorption, ingestion, skin and/or eye contact.

TARGET ORGANS : central nervous system, gastro-intestinal tract, heart & cardiovascular system, kidneys, liver, respiratory system, lungs.  
TOXIC DOSE (LD 50): Asphalt N/A

**PERMISSIBLE EXPOSURE LIMITS:**

OSHA PEL:	5mg/m3 (Asphalt Fumes)	
ACGIH TLV:	5mg/m3 (Asphalt Fumes)	CARCINOGENICITY:
ACGIH STEL:	No std	NTP? NO
NIOSH PEL:	No std	IARC? NO
NIOSH IDLH:	No std	OSHA? NO

**ECOLOGICAL INFORMATION**

ENVIRONMENTAL IMPACT: REPORT SPILLS AS REQUIRED TO APPROPRIATE AUTHORITIES. IN CASE OF A SIGNIFICANT LAND SPILL NOTIFY CALIFORNIA OFFICE OF EMERGENCY SERVICES, LOCAL FIRE DEPARTMENT, STATE FIRE MARSHAL, CALIFORNIA HIGHWAY PATROL AND DEPARTMENT OF TRANSPORTATION. THE U.S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS. THE COAST GUARD NUMBER IS (800)-(424-8802).

**DISPOSAL CONSIDERATIONS**

Confirm disposal procedures with environmental engineer & local, state and federal regulations.

ATTENTION: EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE, INCLUDING COMBUSTIBLE MATERIALS. DO NOT CUT, PUNCTURE OR WELD ON OR NEAR CONTAINER. ALL LABEL WARNING AND PRECAUTIONS MUST BE OBSERVED UNTIL CONTAINER HAS BEEN THOROUGHLY CLEANED.

**TRANSPORTATION INFORMATION**

D.O.T SHIPPING NAME: Hot Asphalt, Cutback, 3, NA 1999, III

D.O.T.	HAZARD CLASS:	CLASS 3,
D.O.T.	ID NUMBER:	NA 1999,
D.O.T.	MARKING:	HOT
D.O.T.	PK.GP.	III
Product Name:		Liquid Asphalt

Product should be considered and oil for D.O.T emergency planning.  
Typical Shipping Temperature: 150 (F)

**REGULATORY INFORMATION**

**CLEAN WATER ACT / OIL POLLUTION ACT**

This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges or spills into or leading to surface waters that cause a sheen must be reported to the National Response Center (1-800-424-8802).

**THRESHOLD PLANNING QUANTITY (TPQ), EPA REGULATION 40 CFR 355**

SARA Section (301-304)

No TPQ for product or any constituent greater than 1% or 0.1% (carcinogen)

**HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370**

(SARA Section 311-312).

<b>EPA HAZARD CODE:</b>	Acute	Chronic	Fire	Pressure	Reactive
<b>ASSESSMENT:</b>	YES	YES	YES	None	None

**TOXIC CHEMICALS FOR RELEASE REPORTING 40 CFR 372 (SARA Section 313)**

**ASSESSMENT:** This product contains no toxic chemicals at concentrations above the established de minimis levels.

**PROPOSITION 65 LISTINGS.** California Safe Drinking Water and Toxic Enforcement Act of 1986: Bitumens are on this chemical list.

**DETECTABLE AMOUNTS OF CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR OTHER REPRODUCTIVE HARM ARE FOUND IN THIS PRODUCT.**

(California Health and Safety Code 25249.6)

Not legal in the SCAQMD. Check local environmental regulations.

**OTHER INFORMATION**

**DISCLAIMER OF EXPRESS AND IMPLIED WARRANTIES**

No warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information. The results obtained from the use of this information or product, and the safe use of the product are the sole responsibility of the user.

Revised and approved for use by: Fire, Safety & Security. 07-16-96