



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: R6SR

Manufacturer Information:

Anglo American Oil Company Ltd
3 Holly Close
Sandford
Wareham
BH20 7QE
United Kingdom

Product Use:

Racing fuel

Emergency Phone Numbers:

AAOC Ltd +44 (0)1929 551557

Information:

Product Safety Information +44 (0)1929 551557

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. | Amount (Vol%) |
|----------------------------|----------------|----------------------|
| R6SR | | 100 - 100 |
| LIGHT PETROLEUM DISTILLATE | 8006-61-9 | 0 - 91.9 |
| TOLUENE | 108-88-3 | 0 - 30 |
| XYLENE | 1330-20-7 | 0 - 25 |
| MTBE | 1634-04-4 | 8 - 15 |
| TERT-BUTYL ALCOHOL | 75-65-0 | 0 - 10 |
| CYCLOHEXANE | 110-82-7 | 0 - 9 |
| 1,2,4-TRIMETHYLBENZENE | 95-63-6 | 0 - 5 |
| ETHYL BENZENE | 100-41-4 | 0 - 5 |
| N-HEXANE | 110-54-3 | 0 - 5 |
| NAPHTHALENE | 91-20-3 | 0 - 5 |
| BENZENE | 71-43-2 | 0.1 - 4.9 |
| TERT-AMYL METHYL ETHER | 994-05-8 | 0 - 2 |
| CUMENE | 98-82-8 | 0 - 1 |
| TETRAETHYL LEAD | 78-00-2 | - 0.15 |

EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSURE LIMITS)

| | CAS No. | Governing Body | Exposure Limits | | |
|---------|----------------|-----------------------|------------------------|-----|-----|
| BENZENE | 71-43-2 | ACGIH | STEL | 2.5 | ppm |
| BENZENE | 71-43-2 | OSHA | STEL | 5 | ppm |

| | | | | | |
|----------------------------|-----------|-------|------|-----|-------|
| BENZENE | 71-43-2 | ACGIH | TWA | 0.5 | ppm |
| BENZENE | 71-43-2 | OSHA | TWA | 1 | ppm |
| CUMENE | 98-82-8 | ACGIH | TWA | 50 | ppm |
| CUMENE | 98-82-8 | OSHA | TWA | 50 | ppm |
| CYCLOHEXANE | 110-82-7 | ACGIH | TWA | 100 | ppm |
| CYCLOHEXANE | 110-82-7 | OSHA | TWA | 300 | ppm |
| ETHYL BENZENE | 100-41-4 | ACGIH | STEL | 125 | ppm |
| ETHYL BENZENE | 100-41-4 | ACGIH | TWA | 100 | ppm |
| ETHYL BENZENE | 100-41-4 | OSHA | TWA | 100 | ppm |
| MTBE | 1634-04-4 | ACGIH | TWA | 40 | ppm |
| N-HEXANE | 110-54-3 | ACGIH | TWA | 50 | ppm |
| N-HEXANE | 110-54-3 | OSHA | TWA | 500 | ppm |
| NAPHTHALENE | 91-20-3 | ACGIH | STEL | 15 | ppm |
| NAPHTHALENE | 91-20-3 | ACGIH | TWA | 10 | ppm |
| NAPHTHALENE | 91-20-3 | OSHA | TWA | 10 | ppm |
| TERT-AMYL METHYL ETHER | 994-05-8 | ACGIH | TWA | 20 | ppm |
| TOLUENE | 108-88-3 | OSHA | C | 300 | ppm |
| TOLUENE | 108-88-3 | NIOSH | STEL | 150 | ppm |
| TOLUENE | 108-88-3 | ACGIH | TWA | 50 | ppm |
| TOLUENE | 108-88-3 | OSHA | TWA | 200 | ppm |
| XYLENE | 1330-20-7 | ACGIH | STEL | 150 | ppm |
| XYLENE | 1330-20-7 | ACGIH | TWA | 100 | ppm |
| XYLENE | 1330-20-7 | OSHA | TWA | 100 | ppm |
| LIGHT PETROLEUM DISTILLATE | 8006-61-9 | ACGIH | STEL | 500 | ppm |
| LIGHT PETROLEUM DISTILLATE | 8006-61-9 | ACGIH | TWA | 300 | ppm |
| TERT-BUTYL ALCOHOL | 75-65-0 | ACGIH | TWA | 100 | ppm |
| TERT-BUTYL ALCOHOL | 75-65-0 | OSHA | TWA | 100 | ppm |
| TETRAETHYL LEAD | 78-00-2 | ACGIH | TWA | 0.1 | mg/m3 |

3. HAZARDS IDENTIFICATION

- EMERGENCY OVERVIEW**

Danger! Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Harmful or fatal if swallowed. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. Harmful if inhaled. High vapor concentrations may cause drowsiness. May cause skin irritation. May cause eye irritation. Contains material or materials that can cause cancer.

Hazards Ratings:

Key: 0 = least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

| | <u>Health</u> | <u>Fire</u> | <u>Reactivity</u> | <u>PPI</u> |
|------|---------------|-------------|-------------------|------------|
| NFPA | 1 | 3 | 0 | |
| HMIS | 2 | 3 | 0 | X |

- POTENTIAL HEALTH EFFECTS**

- PRE-EXISTING MEDICAL CONDITIONS**

The following diseases or disorders may be aggravated by exposure to this product: Skin; Eye; Blood forming organs; Nervous system, Respiratory system; Lung (asthma-like conditions); Cardiovascular system,

- INHALATION**

Can cause severe central nervous system depression (including unconsciousness). May cause headaches and dizziness. Repeated excessive exposures may cause blood disorders such as anemia and leukemia. Contains a material that has been related to cancer in humans.

LC50 (mg/l): no data

LC50 (mg/m3): no data

LC50 (ppm): no data

▪ **SKIN**

May be absorbed through the skin in harmful amounts. This product contains an organic lead compound which may be absorbed dermally. Moderately irritating to the skin.

Draize Skin Score: no data Out of 8.0

LD50 (mg/kg): no data

▪ **EYES**

Moderately irritating to the eyes.

▪ **INGESTION**

Product may be harmful or fatal if swallowed. Pulmonary aspiration hazard. After ingestion, may enter lungs and produce damage. Irritating to mouth, throat, and stomach.

LD50 (g/kg): no data

4. FIRST AID MEASURES

• **INHALATION**

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get immediate medical attention. See Section 15 for additional information.

• **SKIN**

Wash with soap and water. Get medical attention if irritation develops or persists. Injection injuries may not appear serious at first but within a few hours, without proper treatment, the area will become swollen, discolored and extremely painful. Wash clothing before reuse. Destroy contaminated shoes and other leather products. See Section 15 for additional information.

• **EYES**

Flush eye with water for 15 minutes. Get medical attention.

• **INGESTION**

Do not induce vomiting! Do not give liquids! Get medical attention immediately.

5. FIRE FIGHTING MEASURES

• **EXTINGUISHING MEDIA**

Water spray; Regular foam; Dry chemical; Carbon dioxide;

• **FIRE FIGHTING INSTRUCTIONS**

Use water spray to cool fire exposed tanks and containers. Wear structural fire fighting gear.

FLAMMABLE PROPERTIES

| | Typical | Minimum | Maximum | Text Result | Units | Method |
|--------------------------|----------------|----------------|----------------|--------------------|--------------|---------------|
| Flash Point | -40 | | | Estimated | F | N/A |
| Autoignition Temperature | 750 | | | Estimated | F | N/A |
| Lower Explosion Limit | 1.5 | | | | % | N/A |
| Upper Explosion Limit | 7.6 | | | | % | N/A |

6. ACCIDENTAL RELEASE MEASURES

Prevent ignition, stop leak and ventilate the area. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Vapor can be controlled using a water fog. Water streams should not be directed to the liquid as this will cause the liquid to boil and generate more vapor. Keep personnel upwind from leak. Use appropriate personal protective equipment as stated in Section 8 of this MSDS. Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

7. HANDLING AND STORAGE

- **HANDLING**

Use only in a well-ventilated area. Ground and bond containers when transferring material. NFPA class IA storage. Flash point is less than 73 degrees F and boiling point is less than 100 degrees F. Avoid breathing (dust, vapor, mist, gas). Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling. Never siphon by mouth.

- **STORAGE**

Keep away from heat, sparks, and flame. Keep container closed when not in use. Consult NFPA and / or OSHA codes for additional information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult With a Health and Safety Professional for Specific Selections

- **ENGINEERING CONTROLS**

Use with adequate ventilation. Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Use explosion-proof ventilation equipment.

- **PERSONAL PROTECTION**

- **EYE PROTECTION**

Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

- **GLOVES or HAND PROTECTION**

The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Protective gloves are recommended to protect against contact with product. Polyethylene; Neoprene; Nitrile; Polyvinyl alcohol; Viton;

- **RESPIRATORY PROTECTION**

Concentration in air determines the level of respiratory protection needed. Use only NIOSH certified respiratory equipment. Half-mask air purifying respirator with organic vapor cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with organic vapor cartridges is acceptable for exposures to fifty (50) times the exposure limit. Exposure should not exceed the cartridge limit of 1000 ppm. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator or SCBA for exposures greater than fifty (50) times the exposure limit. If exposure is above the IDLH (Immediately Dangerous to Life and Health) or there is the possibility of an uncontrolled release, or exposure levels are unknown, then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA. Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

- **OTHER**

Where splashing is possible, full chemically resistant protective clothing (e.g., acid suit) and boots are required. The following materials are acceptable for use as protective clothing: Polyethylene; Polyvinyl alcohol (PVA); Neoprene; Nitrile; Viton; Polyurethane; Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Remove contaminated clothing and wash before reuse. For non-fire emergencies, positive pressure SCBA and structural firefighter's protective clothing will provide only limited protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

| Physical Property | Typical | Units | Text Result | Reference |
|---------------------------|---------|--------|-------------|-----------|
| Appearance | | N/A | Blue liquid | |
| Boiling Point | | F | | |
| Bulk Density | | lb/gal | no data | |
| Melting Point | | F | no data | |
| Molecular Weight | | g/mole | no data | |
| Octanol/Water Coefficient | | N/A | no data | |

| | | | | |
|---------------------|------|------|---------------|--------|
| pH | | N/A | no data | |
| Specific Gravity | 0.74 | N/A | | |
| Solubility In Water | | wt % | Nil to 15% | |
| Odor | | N/A | Gasoline odor | |
| Odor Threshold | | ppm | < 1 | |
| Vapor Pressure | | mmHg | | @ 20 C |
| Viscosity (F) | | SUS | no data | |
| Viscosity (C) | | CsT | no data | |
| % Volatile | 100 | wt % | | |

10. STABILITY AND REACTIVITY

- **STABILITY**
Stable
- **CONDITIONS TO AVOID**
Avoid heat, sparks and open flame.
- **INCOMPATIBILITY**
Strong oxidizers
- **HAZARDOUS DECOMPOSITION PRODUCTS**
Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.
- **HAZARDOUS POLYMERIZATION**
Will not polymerize.

11. ECOLOGICAL INFORMATION

Gasoline spills are toxic to fish and aquatic flora.

12. DISPOSAL CONSIDERATIONS

Follow federal, state and local regulations. This material is a RCRA hazardous waste. Do not flush material to drain or storm sewer. Contract to authorized disposal service.

13. TRANSPORT INFORMATION

| <u>Governing Body</u> | <u>Mode</u> | <u>Proper Shipping Name</u> |
|-----------------------|-------------|-----------------------------|
| DOT | Ground | Gasoline |

| <u>Governing Body</u> | <u>Mode</u> | <u>Hazard Class</u> | <u>UN/NA No.</u> | <u>Label</u> |
|-----------------------|-------------|----------------------|------------------|--------------|
| DOT | Ground | 3 (Flammable liquid) | 1203 | |

14. REGULATORY INFORMATION

| <u>Regulatory List</u> | <u>Component</u> | <u>CAS No.</u> |
|--|-------------------------------|----------------|
| ACGIH 2000 - Short Term Exposure Limits | BENZENE | 71-43-2 |
| ACGIH 2000 - Short Term Exposure Limits | ETHYL BENZENE | 100-41-4 |
| ACGIH 2000 - Short Term Exposure Limits | LIGHT PETROLEUM DISTILLATE | 8006-61-9 |
| ACGIH 2000 - Short Term Exposure Limits | NAPHTHALENE | 91-20-3 |
| ACGIH 2000 - Short Term Exposure Limits | XYLENE | 1330-20-7 |
| ACGIH 2000 - Skin Absorption Designation | BENZENE | 71-43-2 |
| ACGIH 2000 - Skin Absorption Designation | N-HEXANE | 110-54-3 |

| | | |
|--|-------------------------------|-----------|
| ACGIH 2000 - Skin Absorption Designation | NAPHTHALENE | 91-20-3 |
| ACGIH 2000 - Skin Absorption Designation | TETRAETHYL LEAD | 78-00-2 |
| ACGIH 2000 - Skin Absorption Designation | TOLUENE | 108-88-3 |
| ACGIH 2000 - Time Weighted Averages | BENZENE | 71-43-2 |
| ACGIH 2000 - Time Weighted Averages | CUMENE | 98-82-8 |
| ACGIH 2000 - Time Weighted Averages | ETHYL BENZENE | 100-41-4 |
| ACGIH 2000 - Time Weighted Averages | LIGHT PETROLEUM DISTILLATE | 8006-61-9 |
| ACGIH 2000 - Time Weighted Averages | MTBE | 1634-04-4 |
| ACGIH 2000 - Time Weighted Averages | N-HEXANE | 110-54-3 |
| ACGIH 2000 - Time Weighted Averages | NAPHTHALENE | 91-20-3 |
| ACGIH 2000 - Time Weighted Averages | TERT-BUTYL ALCOHOL | 75-65-0 |
| ACGIH 2000 - Time Weighted Averages | TETRAETHYL LEAD | 78-00-2 |
| ACGIH 2000 - Time Weighted Averages | TOLUENE | 108-88-3 |
| ACGIH 2000 - Time Weighted Averages | XYLENE | 1330-20-7 |
| CAA - 1990 Hazardous Air Pollutants | BENZENE | 71-43-2 |
| CAA - 1990 Hazardous Air Pollutants | CUMENE | 98-82-8 |
| CAA - 1990 Hazardous Air Pollutants | ETHYL BENZENE | 100-41-4 |
| CAA - 1990 Hazardous Air Pollutants | MTBE | 1634-04-4 |
| CAA - 1990 Hazardous Air Pollutants | N-HEXANE | 110-54-3 |
| CAA - 1990 Hazardous Air Pollutants | NAPHTHALENE | 91-20-3 |
| CAA - 1990 Hazardous Air Pollutants | TOLUENE | 108-88-3 |
| CAA - 1990 Hazardous Air Pollutants | XYLENE | 1330-20-7 |
| California - Prop. 65 - Cancer list | BENZENE | 71-43-2 |
| California - Prop. 65 - Cancer list | NAPHTHALENE | 91-20-3 |
| California - Prop. 65 - Developmental Toxicity | BENZENE | 71-43-2 |
| California - Prop. 65 - Developmental Toxicity | TOLUENE | 108-88-3 |
| Canada - WHMIS: Ingredient Disclosure | 1,2,4-TRIMETHYLBENZENE | 95-63-6 |
| Canada - WHMIS: Ingredient Disclosure | BENZENE | 71-43-2 |
| Canada - WHMIS: Ingredient Disclosure | CUMENE | 98-82-8 |
| Canada - WHMIS: Ingredient Disclosure | CYCLOHEXANE | 110-82-7 |
| Canada - WHMIS: Ingredient Disclosure | ETHYL BENZENE | 100-41-4 |
| Canada - WHMIS: Ingredient Disclosure | LIGHT PETROLEUM DISTILLATE | 8006-61-9 |
| Canada - WHMIS: Ingredient Disclosure | N-HEXANE | 110-54-3 |
| Canada - WHMIS: Ingredient Disclosure | NAPHTHALENE | 91-20-3 |
| Canada - WHMIS: Ingredient Disclosure | TERT-BUTYL ALCOHOL | 75-65-0 |
| Canada - WHMIS: Ingredient Disclosure | TETRAETHYL LEAD | 78-00-2 |
| Canada - WHMIS: Ingredient Disclosure | TOLUENE | 108-88-3 |
| CERCLA/SARA - Haz Substances and their RQs | BENZENE | 71-43-2 |
| CERCLA/SARA - Haz Substances and their RQs | CUMENE | 98-82-8 |
| CERCLA/SARA - Haz Substances and their RQs | CYCLOHEXANE | 110-82-7 |
| CERCLA/SARA - Haz Substances and their RQs | ETHYL BENZENE | 100-41-4 |
| CERCLA/SARA - Haz Substances and their RQs | MTBE | 1634-04-4 |
| CERCLA/SARA - Haz Substances and their RQs | N-HEXANE | 110-54-3 |
| CERCLA/SARA - Haz Substances and their RQs | NAPHTHALENE | 91-20-3 |
| CERCLA/SARA - Haz Substances and their RQs | TETRAETHYL LEAD | 78-00-2 |
| CERCLA/SARA - Haz Substances and their RQs | TOLUENE | 108-88-3 |
| CERCLA/SARA - Haz Substances and their RQs | XYLENE | 1330-20-7 |
| CERCLA/SARA - Section 302 EHS and TPQs | TETRAETHYL LEAD | 78-00-2 |
| CERCLA/SARA - Section 313 - Emission Reporting | 1,2,4-TRIMETHYLBENZENE | 95-63-6 |
| CERCLA/SARA - Section 313 - Emission Reporting | BENZENE | 71-43-2 |
| CERCLA/SARA - Section 313 - Emission Reporting | CUMENE | 98-82-8 |
| CERCLA/SARA - Section 313 - Emission Reporting | CYCLOHEXANE | 110-82-7 |
| CERCLA/SARA - Section 313 - Emission Reporting | ETHYL BENZENE | 100-41-4 |
| CERCLA/SARA - Section 313 - Emission Reporting | MTBE | 1634-04-4 |
| CERCLA/SARA - Section 313 - Emission Reporting | N-HEXANE | 110-54-3 |
| CERCLA/SARA - Section 313 - Emission Reporting | NAPHTHALENE | 91-20-3 |
| CERCLA/SARA - Section 313 - Emission Reporting | TERT-BUTYL ALCOHOL | 75-65-0 |
| CERCLA/SARA - Section 313 - Emission Reporting | TOLUENE | 108-88-3 |

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|---|------------------------|-----------|
| CERCLA/SARA - Section 313 - Emission Reporting | XYLENE | 1330-20-7 |
| IARC - Group 1 (carcinogenic to humans) | BENZENE | 71-43-2 |
| IARC - Group 2B (Possibly carcinogenic to humans) | ETHYL BENZENE | 100-41-4 |
| IARC - Group 2B (Possibly carcinogenic to humans) | LIGHT PETROLEUM | 8006-61-9 |
| | DISTILLATE | |
| Inventory - Canada - Domestic Substances List | 1,2,4-TRIMETHYLBENZENE | 95-63-6 |
| Inventory - Canada - Domestic Substances List | BENZENE | 71-43-2 |
| Inventory - Canada - Domestic Substances List | CUMENE | 98-82-8 |
| Inventory - Canada - Domestic Substances List | CYCLOHEXANE | 110-82-7 |
| Inventory - Canada - Domestic Substances List | ETHYL BENZENE | 100-41-4 |
| Inventory - Canada - Domestic Substances List | LIGHT PETROLEUM | 8006-61-9 |
| | DISTILLATE | |
| Inventory - Canada - Domestic Substances List | MTBE | 1634-04-4 |
| Inventory - Canada - Domestic Substances List | N-HEXANE | 110-54-3 |
| Inventory - Canada - Domestic Substances List | NAPHTHALENE | 91-20-3 |
| Inventory - Canada - Domestic Substances List | TERT-AMYL METHYL | 994-05-8 |
| | ETHER | |
| Inventory - Canada - Domestic Substances List | TERT-BUTYL ALCOHOL | 75-65-0 |
| Inventory - Canada - Domestic Substances List | TETRAETHYL LEAD | 78-00-2 |
| Inventory - Canada - Domestic Substances List | TOLUENE | 108-88-3 |
| Inventory - Canada - Domestic Substances List | XYLENE | 1330-20-7 |
| Inventory - European EINECS Inventory | 1,2,4-TRIMETHYLBENZENE | 95-63-6 |
| Inventory - European EINECS Inventory | BENZENE | 71-43-2 |
| Inventory - European EINECS Inventory | CUMENE | 98-82-8 |
| Inventory - European EINECS Inventory | CYCLOHEXANE | 110-82-7 |
| Inventory - European EINECS Inventory | ETHYL BENZENE | 100-41-4 |
| Inventory - European EINECS Inventory | LIGHT PETROLEUM | 8006-61-9 |
| | DISTILLATE | |
| Inventory - European EINECS Inventory | MTBE | 1634-04-4 |
| Inventory - European EINECS Inventory | N-HEXANE | 110-54-3 |
| Inventory - European EINECS Inventory | NAPHTHALENE | 91-20-3 |
| Inventory - European EINECS Inventory | TERT-AMYL METHYL | 994-05-8 |
| | ETHER | |
| Inventory - European EINECS Inventory | TERT-BUTYL ALCOHOL | 75-65-0 |
| Inventory - European EINECS Inventory | TETRAETHYL LEAD | 78-00-2 |
| Inventory - European EINECS Inventory | TOLUENE | 108-88-3 |
| Inventory - European EINECS Inventory | XYLENE | 1330-20-7 |
| Inventory - Japan - (ENCS) | 1,2,4-TRIMETHYLBENZENE | 95-63-6 |
| Inventory - Japan - (ENCS) | BENZENE | 71-43-2 |
| Inventory - Japan - (ENCS) | CUMENE | 98-82-8 |
| Inventory - Japan - (ENCS) | CYCLOHEXANE | 110-82-7 |
| Inventory - Japan - (ENCS) | ETHYL BENZENE | 100-41-4 |
| Inventory - Japan - (ENCS) | MTBE | 1634-04-4 |
| Inventory - Japan - (ENCS) | N-HEXANE | 110-54-3 |
| Inventory - Japan - (ENCS) | NAPHTHALENE | 91-20-3 |
| Inventory - Japan - (ENCS) | TERT-BUTYL ALCOHOL | 75-65-0 |
| Inventory - Japan - (ENCS) | TOLUENE | 108-88-3 |
| Inventory - Japan - (ENCS) | XYLENE | 1330-20-7 |
| Inventory - Korea - Existing and Evaluated | 1,2,4-TRIMETHYLBENZENE | 95-63-6 |
| Inventory - Korea - Existing and Evaluated | BENZENE | 71-43-2 |
| Inventory - Korea - Existing and Evaluated | CUMENE | 98-82-8 |
| Inventory - Korea - Existing and Evaluated | CYCLOHEXANE | 110-82-7 |
| Inventory - Korea - Existing and Evaluated | ETHYL BENZENE | 100-41-4 |
| Inventory - Korea - Existing and Evaluated | LIGHT PETROLEUM | 8006-61-9 |
| | DISTILLATE | |
| Inventory - Korea - Existing and Evaluated | MTBE | 1634-04-4 |
| Inventory - Korea - Existing and Evaluated | N-HEXANE | 110-54-3 |
| Inventory - Korea - Existing and Evaluated | NAPHTHALENE | 91-20-3 |
| Inventory - Korea - Existing and Evaluated | TERT-AMYL METHYL | 994-05-8 |
| | ETHER | |

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|--|------------------------|-----------|
| NJ Environmental Hazardous Substances List | BENZENE | 71-43-2 |
| NJ Environmental Hazardous Substances List | CUMENE | 98-82-8 |
| NJ Environmental Hazardous Substances List | CYCLOHEXANE | 110-82-7 |
| NJ Environmental Hazardous Substances List | ETHYL BENZENE | 100-41-4 |
| NJ Environmental Hazardous Substances List | LIGHT PETROLEUM | 8006-61-9 |
| | DISTILLATE | |
| NJ Environmental Hazardous Substances List | MTBE | 1634-04-4 |
| NJ Environmental Hazardous Substances List | N-HEXANE | 110-54-3 |
| NJ Environmental Hazardous Substances List | NAPHTHALENE | 91-20-3 |
| NJ Environmental Hazardous Substances List | TERT-BUTYL ALCOHOL | 75-65-0 |
| NJ Environmental Hazardous Substances List | TETRAETHYL LEAD | 78-00-2 |
| NJ Environmental Hazardous Substances List | TOLUENE | 108-88-3 |
| NJ Environmental Hazardous Substances List | XYLENE | 1330-20-7 |
| NTP Ninth Report - Known Carcinogens | BENZENE | 71-43-2 |
| OSHA - Final PELs - Ceiling Limits | BENZENE | 71-43-2 |
| OSHA - Final PELs - Ceiling Limits | TOLUENE | 108-88-3 |
| OSHA - Final PELs - Time Weighted Averages | BENZENE | 71-43-2 |
| OSHA - Final PELs - Time Weighted Averages | CUMENE | 98-82-8 |
| OSHA - Final PELs - Time Weighted Averages | CYCLOHEXANE | 110-82-7 |
| OSHA - Final PELs - Time Weighted Averages | ETHYL BENZENE | 100-41-4 |
| OSHA - Final PELs - Time Weighted Averages | N-HEXANE | 110-54-3 |
| OSHA - Final PELs - Time Weighted Averages | NAPHTHALENE | 91-20-3 |
| OSHA - Final PELs - Time Weighted Averages | TERT-BUTYL ALCOHOL | 75-65-0 |
| OSHA - Final PELs - Time Weighted Averages | TOLUENE | 108-88-3 |
| OSHA - Final PELs - Time Weighted Averages | XYLENE | 1330-20-7 |
| Pennsylvania Right to Know List | 1,2,4-TRIMETHYLBENZENE | 95-63-6 |
| Pennsylvania Right to Know List | BENZENE | 71-43-2 |
| Pennsylvania Right to Know List | CUMENE | 98-82-8 |
| Pennsylvania Right to Know List | CYCLOHEXANE | 110-82-7 |
| Pennsylvania Right to Know List | ETHYL BENZENE | 100-41-4 |
| Pennsylvania Right to Know List | MTBE | 1634-04-4 |
| Pennsylvania Right to Know List | N-HEXANE | 110-54-3 |
| Pennsylvania Right to Know List | NAPHTHALENE | 91-20-3 |
| Pennsylvania Right to Know List | TERT-BUTYL ALCOHOL | 75-65-0 |
| Pennsylvania Right to Know List | TETRAETHYL LEAD | 78-00-2 |
| Pennsylvania Right to Know List | TOLUENE | 108-88-3 |
| Pennsylvania Right to Know List | XYLENE | 1330-20-7 |
| TSCA - Sect. 12(b) - Export Notification | CYCLOHEXANE | 110-82-7 |
| TSCA - Sect. 12(b) - Export Notification | MTBE | 1634-04-4 |
| TSCA - Sect. 12(b) - Export Notification | N-HEXANE | 110-54-3 |
| TSCA - Sect. 12(b) - Export Notification | TERT-AMYL METHYL | 994-05-8 |
| | ETHER | |

Title III Classifications Sections 311,312:

- Acute: **YES**
- Chronic: **YES**
- Fire: **YES**
- Reactivity: **NO**
- Sudden Release of Pressure: **NO**

15. OTHER INFORMATION

Precautionary labeling for pumps, portable containers, and drums is required. A "hazardous when empty" pictogram and D.O.T. flammable liquid label are also required for drums. Details available upon request. Because benzene is present in this product above 0.1%, the Osha Standard for benzene is applicable to work locations upstream of final discharge from terminals. Consult 29CFR1910.1028 for details. Prolonged and repeated excessive exposures to benzene can result in blood disorders ranging from anemia to leukemia. Sun recommends that exposures to benzene

be kept below 1.0 ppm for 8-hours; 5.0 ppm for 15-min. Normal service station operations are below these values. For use as motor fuel only. Do not use for any other purpose. Catecholamines and similar adrenergic drugs are generally contraindicated because of potential for increased sensitivity of the heart from hydrocarbon overexposure and subsequent ventricular fibrillation. EKG monitoring may be indicated and bronchodilators should be selected with care. Following injection, prompt debridement of the wound is necessary to minimize necrosis and tissue loss. COMPONENT TOXICITY: Overexposure to naphthalene, a minor component of this product, may cause skin, eye and respiratory tract irritation, anemia, loss of vision, nervous system effects and kidney and thymus damage. Also, exposure to naphthalene has produced "respiratory tract" tumors in laboratory animals..