



# Material Safety Data Sheet

Material Name: Quaker State Itasca 16:1 2-Cycle Engine Oil

ID: ITA-018

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Product Numbers:** 13480 (24/8 OZ)

**Chemical Name:** Complex Mixture

**Product Use:** 2-Cycle Engine Oil

**Manufacturer Information**

Quaker State Corporation  
225 E. John Carpenter Freeway  
Irving, Texas 75062

Phone: (800)562-5928

Emergency # (800)424-9300 CHEMTREC

**General Comments**

CHEMTREC Emergency telephone number is to be used in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to customer service.

## \*\*\* Section 2 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
64742-47-8	Petroleum Distillates, Hydrotreated Light	12
64742-62-7	Residual Oils (petroleum), Solvent Dewaxed	< 10
64742-57-0	Residual Oils (petroleum), Hydrotreated	< 10
Not Available	NJTSR # 01154100-5013P	< 5
Not Available	NJTSR # 01154100-5030P	< 5
Not Available	NJTSR # 01154100-5031P	< 5
64741-88-4	Petroleum Distillates, Solvent-refined Heavy Paraffinic	< 5
64742-65-0	Petroleum Distillates, Solvent Dewaxed Heavy Paraffinic	Blend
64742-54-7	Petroleum Distillates, Hydrotreated Heavy Paraffinic	Blend

**Component Information/Information on Non-Hazardous Components**

The maximum percentage of the petroleum distillate and/or residual oil blend contained in this product is: 78%

The manufacturer has claimed one or more ingredients as trade secret under the OSHA Hazard Communication Standard. All mineral oils used in this product have been severely hydrotreated and/or solvent refined. This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). This product contains trace levels (<0.1%) of xylene (1330-20-7) and ethyl benzene (100-41-4).

## \*\*\* Section 3 - Hazards Identification \*\*\*

**Emergency Overview**

Product is a non-flammable petroleum distillate mixture. Liquid and vapor may be irritating to the eyes, skin and respiratory system. Irritating and toxic vapors may be released upon combustion of product. Extinguish fire with carbon dioxide, dry chemical, foam or water fog.

**Hazard Statements**

Not available.

**Potential Health Effects: Eyes**

This product is irritating to the eyes.

**Potential Health Effects: Skin**

This product may cause irritation to the skin. Prolonged and/or repeated skin contact with this product may cause irritation / dermatitis. Prolonged or repeated contact may result in allergic skin sensitization reactions.

**Potential Health Effects: Ingestion**

No significant adverse effects are expected upon ingestion of the product. Ingestion of this product may cause nausea, vomiting and diarrhea. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury, possibly death.

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## Potential Health Effects: Inhalation

Low vapor pressure makes inhalation unlikely at standard temperatures and pressures. High vapor/aerosol concentrations are irritating to the eyes and respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. Repeated and prolonged overexposure to oil mists may result in droplet deposition, oil granuloma formation, inflammation and increased incidence of infection.

**HMIS Ratings: Health: 1 Fire: 1 Reactivity: 0 Pers. Prot.:** safety glasses, gloves

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### \*\*\* Section 4 - First Aid Measures \*\*\*

#### First Aid: Eyes

Flush eyes with large amounts of water for 15 minutes. Seek medical attention if eye irritation develops or persists.

#### First Aid: Skin

Remove contaminated clothing. For skin contact, wash immediately with soap and water. Get medical attention if skin disorder develops. Launder contaminated clothing before reuse.

#### First Aid: Ingestion

Do not induce vomiting. Call your local poison control center or get medical attention.

#### First Aid: Inhalation

If affected, remove individual to fresh air. If not breathing, give mouth to mouth resuscitation. Seek medical attention if symptoms persist.

#### First Aid: Notes to Physician

Pulmonary aspiration hazard if swallowed; treat symptomatically.

### \*\*\* Section 5 - Fire Fighting Measures \*\*\*

**Flash Point:** 206 F (97 C)

**Upper Flammable Limit (UFL):** Not available

**Auto Ignition:** Not available

**Rate of Burning:** Not available

#### General Fire Hazards

Product is a non-flammable petroleum distillate mixture. Liquid can burn upon heating to temperatures at or above the flash point. Mist or sprays may be flammable below the products normal flash point.

#### Hazardous Combustion Products

Upon decomposition this product may yield fumes, smoke, sulfur oxides, nitrogen oxides, aldehydes, carbon monoxide, carbon dioxide and other low molecular weight hydrocarbons.

#### Extinguishing Media

Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Use water to cool fire-exposed containers and to protect personnel. Direct water spray or foam may cause frothing and spattering. If a leak or spill has not ignited, use water spray to disperse vapors and to flush spills away from exposure.

#### Fire Fighting Equipment/Instructions

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

**NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0 Other:**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### \*\*\* Section 6 - Accidental Release Measures \*\*\*

#### Containment Procedures

Stop the flow of material, if this is without risk.

#### Clean-Up Procedures

Absorb the spilled material with an inert absorbent (nonflammable) material. Scoop up used absorbent into drums or other appropriate container.

#### Evacuation Procedures

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

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## Special Procedures

Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Surfaces may become slippery after spillage. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage systems or open water courses.

### \*\*\* Section 7 - Handling and Storage \*\*\*

## Handling Procedures

Avoid breathing mists or vapors. Avoid prolonged or repeated skin contact with this material. Avoid the generation of oil mists. Wash thoroughly after handling. Use this product with adequate ventilation.

## Storage Procedures

Do not store near heat, sparks, open flame or strong oxidizing agents. Do not store this material in open or unlabeled containers. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode.

### \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

## Exposure Guidelines

### A: General Product Information

If oil mists are generated, observe the OSHA exposure limit of 5 mg/m<sup>3</sup>; short term exposure limit of 10 mg/m<sup>3</sup>.

### B: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

## Engineering Controls

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Additional area ventilation or local exhaust may be required to maintain air concentrations below recommended exposure limits.

## PERSONAL PROTECTIVE EQUIPMENT

### Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields. Wear chemical goggles or faceshield if splash or mist occurs.

### Personal Protective Equipment: Skin

Use impervious gloves for prolonged contact. Wear oil-impervious garments if contact is unavoidable.

### Personal Protective Equipment: Respiratory

If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist.

### Personal Protective Equipment: General

Use good hygiene when handling petroleum product. Launder contaminated clothing before reuse. Excessive misting may cause slippery floors - wear appropriate footwear. Eye wash fountains are recommended.

### \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b> Red	<b>Odor:</b> Mild petroleum
<b>Physical State:</b> Liquid	<b>pH:</b> Not available
<b>Vapor Pressure:</b> Not available	<b>Vapor Density:</b> Not available
<b>Boiling Point:</b> Not available	<b>Melting Point:</b> Not applicable
<b>Solubility (H<sub>2</sub>O):</b> Negligible	<b>Specific Gravity:</b> Not available
<b>Freezing Point:</b> Not available	<b>Viscosity:</b> 60.4 cSt @ 40 C; 8.70 cSt @ 100 C
<b>Percent Volatile:</b> Negligible	

## Physical Properties: Additional Information

Pour Point: 10 F; -12 C

### \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

## Chemical Stability

Stable

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## Chemical Stability: Conditions to Avoid

Avoid formation of mists.

## Incompatibility

This product may react with strong oxidizing agents.

## Hazardous Decomposition

Decomposition may produce sulfur oxides, nitrogen oxides, aldehydes, carbon monoxide, carbon dioxide and other low molecular weight hydrocarbons.

## Hazardous Polymerization

Hazardous polymerization will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Toxicity

#### A: General Product Information

Product may be irritating to the eyes, skin, and respiratory system. Excessive inhalation of mists/fumes may cause central nervous system depression; pulmonary aspiration hazard if swallowed.

#### B: Component Analysis - LD50/LC50

##### Petroleum Distillates, Hydrotreated Heavy Paraffinic (64742-54-7)

RTECS: PY8035500

Oral LD50 Rat: >15 gm/kg

Dermal LD50 Rabbit: >5 gm/kg

RTECS: PY8035501

Oral LD50 Rat: >15 gm/kg

Dermal LD50 Rabbit: >5 gm/kg

### Carcinogenicity

#### A: General Product Information

No data available on the product as a whole. Note that USED oils tend to contain higher amounts of the cancer-causing aromatics, which have been linked to scrotal and lung cancer in humans.

#### B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### Epidemiology

No data available for product.

### Neurotoxicity

No data available on this product as a whole.

### Mutagenicity

No data available on this product as a whole.

### Teratogenicity

No data available on this product as a whole.

### Other Toxicological Information

This product contains a blend of petroleum distillates and residual oils, all of which have been solvent refined or severely hydrotreated. The petroleum distillate and residual oil blend consists of one or more of the components identified by CAS Number in Section 2. Since these components vary with the availability of materials their presence is noted as "blend".

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

No information is available on ecotoxicity of this product.

### Environmental Fate

No information is available. Keep product out of sewers and waterways.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### A: General Product Information

Product as shipped does not meet the definition or characteristics of a hazardous waste.

#### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

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## Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations. Do not allow this material to drain into sewers/water supplies. Material should be recycled if possible.

### \*\*\* Section 14 - Transportation Information \*\*\*

## US DOT Information

**Shipping Name:** Not regulated as a hazardous material.

**Hazard Class:** None

**UN/NA #:** None

**Packing Group:** None

**Required Label(s):** None

**Additional Info.:** None

## International Transportation Regulations

Not regulated as dangerous goods.

### \*\*\* Section 15 - Regulatory Information \*\*\*

## US Federal Regulations

### A: General Product Information

This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges of spills into or leading to surface waters that cause sheen must be reported to the National Response Center. (1-800-424-8802) All components of this product are listed on the U.S. EPA TSCA Inventory.

### B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

## State Regulations

### A: General Product Information

Other state regulations may apply.

### B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

## Other Regulations

### A: General Product Information

No other information available.

### B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Petroleum Distillates, Hydrotreated Light	64742-47-8	Yes	Yes	Yes
Residual Oils (petroleum), Hydrotreated	64742-57-0	Yes	Yes	Yes
Residual Oils (petroleum), Solvent Dewaxed	64742-62-7	Yes	Yes	Yes
Petroleum Distillates, Solvent-refined Heavy Paraffinic	64741-88-4	Yes	Yes	Yes
Petroleum Distillates, Solvent Dewaxed Heavy Paraffinic	64742-65-0	Yes	Yes	Yes
Petroleum Distillates, Hydrotreated Heavy Paraffinic	64742-54-7	Yes	Yes	Yes

### C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

### \*\*\* Section 16 - Other Information \*\*\*

## Other Information

This information is, to the best of Quaker State Corporation's knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

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## Key/Legend

N = No; Y = Yes; ppm - parts per million; mg/m<sup>3</sup> = milligrams per cubic meter of air; ACGIH = American Conference of Governmental Industrial Hygienists; OSHA = Occupational Safety and Health Administration; TLV = Threshold Limit Value; NIOSH = National Institute of Occupational Safety and Health; NTP = National Toxicology Program; IARC = International Agency for Research on Cancer. NJTSR = New Jersey Trade Secret Registry NA = Not Applicable; ND = Not Determined.

## MSDS History

Preparation Information: New MSDS 01/21/1997. Revision 2.0000: 11/19/1997.

Revision 2.0000: Section 2 was revised to indicate that the product contains a "blend" of petroleum distillates and/or residual oils. Section 11 revised to the nature of the product blend.

Revision (06/05/98): Text correction.

**Contact:** Vince Bernard, Corporate Safety Director

**Contact Phone:** (800) 562-5928

This is the end of MSDS # ITA-018