

Section 1. Chemical Product and Company Identification

Product name	FINASOL VOC	<u>In Case of Emergency</u>	Chemtrec: (800) 424-9300 On behalf of TOTAL SPECIALTIES USA, INC. contact: Total Petrochemicals & Refining USA, Inc.: (800) 322-3462
Supplier	TOTAL SPECIALTIES USA, INC. 1201 Louisiana Street, Suite 1800 Houston, TX 77002	<u>Technical Information</u>	For non-emergency product information: email product.stewardship@total.com
Chemical Family	Aliphatic Hydrocarbon	MSDS#	SF0038
CAS Registry Number	64742-46-7		
Synonym	Mineral oil Petroleum distillates Distillates (petroleum), hydrotreated middle		

Section 2. Hazards Identification

Emergency Overview	ASPIRATION HAZARD IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE. MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION. MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: CENTRAL NERVOUS SYSTEM, DIGESTIVE SYSTEM
Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	<p>Eyes May cause eye irritation.</p> <p>Skin Short term contact in not expected to cause skin irritation.</p> <p>Inhalation Vapors may be irritating to the respiratory tract. Inhalation of high concentrations of vapor may affect the central nervous system. Other symptoms may include dizziness, drowsiness, headache, and nausea.</p> <p>Ingestion Aspiration hazard if swallowed. Can enter lungs and cause damage. Ingestion may cause gastrointestinal irritation and diarrhea.</p>
Potential Chronic Health Effects	<p>CARCINOGENIC EFFECTS: Not listed as a carcinogen by OSHA, NTP or IARC.</p> <p>Prolonged or repeated contact may dry skin and cause irritation. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.</p>
Medical Conditions Aggravated by Overexposure	Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.
Overexposure /Signs/ Symptoms	May cause drowsiness and dizziness.
See Toxicological Information (Section 11)	

Section 3. Composition and Information on Ingredients

Occupational exposure limits, if available, are listed in Section 8.

Substance Name	CAS #	% by Weight
Distillates (petroleum), hydrotreated middle	64742-46-7	100

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Section 5. Fire Fighting Measures

Flammability of the Product	May be combustible at high temperature.
Auto-ignition Temperature	>230°C (>446°F)
Flash Points	Closed cup: >101°C (>213.8°F)
Flammable Limits	Lower: 1% Upper: 6%
Products of Combustion	Hazardous decomposition products are carbon monoxide, carbon dioxide, dense smoke, and various hydrocarbons.
Fire Hazards in Presence of Various Substances	Flammable in the presence of open flames, sparks and static discharge. Slightly flammable to flammable in the presence of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of static discharge: Expected. Risks of explosion of the product in presence of mechanical impact: Not expected.
Fire Fighting Media and Instructions	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Protective Clothing (Fire)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.
Large Spill and Leak	Eliminate all ignition sources. Stop leak if without risk. Dike spill area and do not allow product to reach sewage system and surface or ground water. Provide notification of any reportable spill to authorities.

Section 7. Handling and Storage

Handling	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk. Evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. All efforts should be made to prevent any leaks or spills. Storage tanks containing should be engineered to prevent contact with water resources, as this material could contaminate the water resources. Surface spills can reach groundwater through porous soil or cracked surfaces. The storage tanks should be monitored regularly for leaks. Where spills or leaks are possible, a comprehensive response plan should be developed and implemented.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

Eyes Safety glasses with side shields.

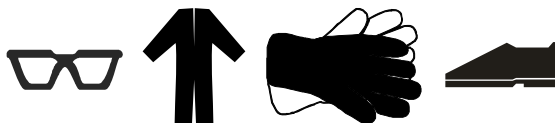
Body Clothing covering the entire body, such as coveralls or a jump-suit.

Respiratory Wear appropriate respirator when ventilation is inadequate. Approved/certified respirator with organic vapor cartridge.

Hands Chemical-resistant gloves.

Feet Shoes.

Protective Clothing (Pictograms)



Personal Protection in Case of a Large Spill Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.

Product Name

Distillates (petroleum), hydrotreated middle

Exposure Limits

Based on Mineral Oil - pure, highly and severely refined:

ACGIH TLV (United States, 1/2011).

TWA: 5 mg/m³ 8 hour(s).

Based on Oil mist - mineral:

OSHA PEL (United States).

TWA: 5 mg/m³ 8 hour(s).

Based on Oil mist - mineral:

NIOSH REL (United States, 6/2010).

TWA: 5 mg/m³ 10 hour(s). Form: Mist

STEL: 10 mg/m³ 15 minute(s). Form: Mist

Based on Petroleum Distillates:

OSHA PEL (United States).

TWA: 2000 mg/m³ 8 hour(s).

Based on Petroleum Distillates:

NIOSH REL (United States, 6/2010).

TWA: 350 mg/m³ 10 hour(s).

CEIL: 1800 mg/m³ 15 minute(s).

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance Liquid.

Color Colorless.

Odor Hydrocarbon.

Molecular Weight Not applicable.

Molecular Formula Not applicable.

Boiling/Condensation Point 230 to 370°C (446 to 698°F)

Specific Gravity 0.8 to 0.84 [@15 C ISO 12185]

Vapor Pressure <0.002 kPa (<0.015 mm Hg) [@ 20°C]

Evaporation Rate >1 (butyl acetate = 1)

VOC As a semi-volatile hydrocarbon liquid, this product is generally classified as a VOC. However, this product has a relatively high boiling point and low vapor pressure, which reduces the rate of evaporation.

This product meets the requirements of the California Air Resources Board (CARB) as a low vapor pressure volatile organic compound (LVP-VOC).

Viscosity Kinematic: 0.02 to 0.1 cm²/s (2 to 10 cSt) [@40 C ISO 3104]

Ionicity (in Water) Non-ionic.

Solubility in Water Insoluble in the following materials: cold water.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Avoid contact with ignition and heat sources and oxidizers.
Incompatibility with Various Substances	Incompatible with some strong acids and oxidizers.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced. In a fire, hazardous decomposition products may be produced. Carbon oxides (CO, CO ₂) and soot.
Hazardous Polymerization	Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological Information

Toxicity to Animals	LD50 (Rabbit) > 2000 mg/kg (CONCAWE) LD50(Rat) > 2000 mg/kg (CONCAWE)
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Not listed as a carcinogen by OSHA, NTP or IARC.
Other Toxic Effects on Humans	Aspiration hazard if swallowed. Can enter lungs and cause damage. May be fatal if swallowed and enters airways. Vomiting increases risk of chemical pneumonia or pulmonary edema caused by aspiration. Inhalation of high concentrations of vapor may affect the central nervous system. May cause respiratory tract irritation. May cause eye irritation. Ingestion may cause gastrointestinal irritation and diarrhea. Short term contact is not expected to cause skin irritation.
Special Remarks on Chronic Effects on Humans	Prolonged or repeated contact may dry skin and cause irritation.

Section 12. Ecological Information

Ecotoxicity	Ecotoxicity in water: >100 mg/l [LC50], 96 hour(s) [Fish].		
Product/ingredient name	Result	Species	Exposure
Distillates (petroleum), hydrotreated middle	IC50 >100 mg/l	Algae	-
	LC50 >100 mg/l	Fish	96 hours
Mobility	Given its physical and chemical characteristics, the product generally shows little mobility in the ground. The product is practically insoluble in water; it spreads on the surface of the water.		

Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Incineration is recommended method for disposal.
Consult your local or regional authorities.	

Section 14. Transport Information (for domestic bulk shipments, non-bulk shipments may differ)

DOT Classification for Bulk Shipments (non bulk shipments may differ)	Not a DOT controlled material (United States).
UN Number	Not applicable.
Packing Group	Not applicable.
Marine Pollutant	Not listed in Appendix B to 49CFR172.101
Hazardous Substances Reportable Quantity	Not applicable.



Special Provisions for Transport No additional remark.

TDG Classification Not available.

IMO/IMDG Classification Not controlled under IMDG.

ICAO/IATA Classification Not controlled under IATA.

USCG Proper Shipping Name Oil misc: mineral

Section 15. Regulatory Information

HCS Classification HCS Class: Target organ effects.

U.S. Federal Regulations **TSCA 8(a) CDR Exempt/Partial exemption:** Partial exemption
United States inventory (TSCA 8b): This material is listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.
SARA 302/304 emergency planning and notification: To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.
SARA 302/304/311/312 hazardous chemicals: To the best of our knowledge, there are no substances that would be at reportable levels for this regulation in this product.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Distillates (petroleum), hydrotreated middle: Immediate (acute) health hazard, Delayed (chronic) health hazard

SARA 313

This product contains no chemicals in excess of the applicable de minimis concentration that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Table 372.65).

International Regulations

WHMIS (Canada) Not controlled under WHMIS (Canada).

CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

CEPA DSL/NDSL This material is listed or exempted.

International Lists **Australia inventory (AICS):** This material is listed or exempted.
China inventory (IECSC): This material is listed or exempted.
Japan inventory: Not determined.
Korea inventory: This material is listed or exempted.
New Zealand Inventory of Chemicals (NZIoC): This material is listed or exempted.
Philippines inventory (PICCS): This material is listed or exempted.

State Regulations

To the best of our knowledge, this product does not contain substances listed on USA state regulatory lists at reportable levels.
California Proposition 65: To the best of our knowledge, there are no Proposition 65 chemicals present in this product at levels that would require warning under the California Safe Drinking Water and Toxic Enforcement Act.

Section 16. Other Information

Label requirements ASPIRATION HAZARD IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE.

MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION.

MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: CENTRAL NERVOUS SYSTEM, DIGESTIVE SYSTEM

Hazardous Material Information System (U.S.A.)

Health	*	1
Fire Hazard		1
Reactivity		0
Personal Protection		B

**National Fire
Protection
Association
(U.S.A.)**

**References**

Manufacturer's Material Safety Data Sheet.
Chemtox Database

Chemtrec:

(800) 424-9300

On behalf of TOTAL SPECIALTIES USA, INC.

contact:

Total Petrochemicals & Refining USA, Inc.:

(800) 322-3462

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

MSDS Name FINASOL VOC

Date of revision 7/25/2014

Version number 2.01

MSDS Code

FINASOL_VOC

Print Date

7/25/2014

To obtain an electronic copy of this MSDS, please email: product.stewardship@total.com.