

Section 8 ~ Exposure Controls/Personal Protection

Control Parameters/Exposure Guidelines:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
White mineral oil (8042-47-5)	TWA: 5mg/m ³ inhalable fraction excluding metal working fluids, highly and severely refined.	TWA: 5 mg/m ³ (vacated) TWA: 5mg/m ³	IDLH: 2500 mg/m ³ TWA: 5mg/m ³ STEL: 10 mg/m ³
Respiratory Protection – If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-		Exposure Measures – Showers, eyewash stations, ventilation systems	
Skin/Body Protection Other – No special protective equipment required.		Eye/Face protection – No special protective equipment required.	

General hygiene considerations – Handle in accordance with good industrial hygiene and safety practice.

Section 9 ~ Physical Chemical Properties

Boiling Point	370°F	Specific Gravity	0.800
Vapor Pressure	N/A	Melting/Freezing Point	N/A
Vapor Density	> 1(air=1)	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Negligible	pH	N/A
Appearance and Odor — Colorless liquid with citrus odor.		VOC%	3.00%
Flash Point (Method Used): N/A	Auto - Ignition Temperature: N/A	Lower Flammability Level: N/A	Upper Flammability Level: N/A

Section 10 ~ Stability and Reactivity

Stability: Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	Conditions to Avoid – N/A	Hazardous Polymerization: May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>
Incompatibility (Materials to Avoid) – None known based on information supplied.		Hazardous Decomposition or Byproducts – None known based on information supplied.

Reactivity – No data available.

Section 11 ~ Toxicological Information

Information on likely routes of exposure

Eye contact – Contact with eyes may cause irritation.

Skin contact – May cause irritation.

Inhalation – May be harmful if inhaled.

Ingestion – Not an expected route of exposure. Potential for aspiration if swallowed. May be fatal if swallowed and enters airways.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isoparaffinic Hydrocarbon	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h
White mineral oil	> 5000 mg/kg (Rat)	-	-
Naphtha (petroleum), hydrotreated heavy	> 5000 mg/kg (Rat)	>3160 mg/kg (Rabbit)	-

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization No information available

Mutagenic Effects No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
White mineral oil	A2			
2,6-Di-tert-butyl-p-cresol		Group 3	-	-

ACGIH: American Conference of Governmental Industrial Hygienists

A2 – Suspected Human Carcinogen

Reproductive toxicity No information available **Specific target organ toxicity (STOT) - single exposure** No information available

Specific target organ toxicity (STOT)- repeated exposure No information available

Aspiration hazard – No information available

Numerical measures of toxicity – Product

The following values are calculated based on chapter 3.1of the GHS document

LD50 Oral 6611 mg/kg; Acute toxicity estimate

Section 12 ~ Ecological Information

Ecotoxicity : Toxic to aquatic life with long lasting effects

Chemical Name **Species** **Test Results**

Isoparaffinic Hydrocarbon
64742-47-8

Toxicity to Fish: LC50

Pimephales promelas
Lepomis macrochirus
Oncorhynchus mykiss

96h: = 45mg/L flow-through
96h: = 2.2 mg/L static
96 h: = 2.4 mg/L static

White mineral oil

8042-47-5

Toxicity to Fish: LC50

Daphnia Magna (Water flea)
Lepomis macrochirus

96h: = 4720 mg/L (den-dronereides heteropoda)
96 h: > 10000 mg/L

Naphtha (petroleum), hydrotreated heavy

64742-48-9

Toxicity to Fish: LC50

Pimephales promelas
Daphnia Magna (Water Flea)

96 h: = 2.6 mg/L
2.6 mg/L (chaetogammarus marinus)

2,6-Di-tert-butyl-p-cresol

128-37-0

Toxicity to Algae: EC50

Pseudokirchneriella subcapitata
Desmodesmus subspicatus
Oryzias latipes

72h: = 6 mg/L
72h: > 0.42 mg/L
48 h: = mg/L
7.82 mg/L 5 min
8.57 mg/L 15 min
8.98 mg/L 30 min

Toxicity to Fish: LC50

Toxicity to Microorganisms: EC50

Persistence and degradability: No information available

Bioaccumulative potential: No information available

<u>Chemical Name</u>	<u>Log Pow</u>
White mineral oil	6.006
2,6-Di-tert-butyl-p-cresol	4.17

Other adverse effects: No information available

Section 13 ~ Disposal Considerations

Disposal instructions: Dispose of in accordance with Federal, State and local regulations.

Contaminated packaging: Do not re-use empty containers

Section 14 ~ Transport Information

US Depart. of Transportation (DOT)

Not regulated

Section 15 ~ Regulatory Information

US Federal Regulations: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the ACT and Title 40 of the Code of Federal Regulation, Part 372.

TSCA (Toxic Substance Control Act) Section 8(b) Inventory Complies

CERCLA (Comprehensive Response Compensation, and Liability Act): This material, as supplied, does not contain any substances regulated as hazardous substances under the CERCLA (40 CFR 302) or the SARA (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material. Listed.

SARA (Super fund amendments and Reauthorization Act):

311/312 Hazardous Chemical: Acute Health Hazard- Yes; Chronic Health Hazard – No; Fire Hazard – Yes;

Sudden Release of Pressure Hazard – No; Reactive Hazard - No

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

US State Right –to-Know Regulations

<u>Massachusetts</u>	<u>New Jersey</u>	<u>Illinois</u>	<u>Pennsylvania</u>	<u>Rhode Island</u>
White Mineral Oil	White Mineral Oil	-	White Mineral Oil	White Mineral Oil
2,6-Di-tert-butyl-p-cresol	2,6-Di-tert-butyl-p-cresol	-	2,6-Di-tert-butyl-p-cresol	2,6-Di-tert-butyl-p-cresol

US. California Proposition 65 This product does not contain a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16 ~ Other Information

	NFPA	HMIS	Key
HEALTH	1	1	4= Severe
FLAMMABILITY	2	2	3= Serious
INSTABILITY/PHYSICAL HAZARD	0	0	2= Moderate
OTHER/PROTECTION	-	X	1= Slight

Disclaimer: The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.