

**perma FOOD AX SYN 150-1 (SF10)**

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**SECTION 1. IDENTIFICATION**

Product name                               : perma FOOD AX SYN 150-1 (SF10)  
  (Previous name: perma Food grade grease H1 SF10)  
Article-No.                                   :

**Manufacturer or supplier's details**

Company name of supplier   : H-T-L perma USA, LP  
  10333 Westlake Dr  
  Charlotte, NC 28273  
  Tel +1(704) 377-3100  
  Fax +1(704) 377-3106  
  www.permausa.com  
  info@permausa.com

E-mail address of person       : info@permausa.com  
responsible for the SDS

Emergency telephone num-   : (800) 997-3762 [8:00 AM – 5:00 PM Eastern Standard Time(EST)]  
ber

**Recommended use of the chemical and restrictions on use**

Recommended use                       : Grease

Restrictions on use                     : Restricted to professional users.

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**SECTION 2. HAZARDS IDENTIFICATION**

**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**GHS label elements**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Other hazards**

None known.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

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Substance / Mixture : Mixture

Chemical nature : Synthetic hydrocarbon oil  
ester oil  
aluminium complex soap**Components**

Chemical name	CAS-No.	Concentration (% w/w)
(benzoato-O,O')hydroxy(octadecanoato-O,O')aluminium	54326-11-3	Trade secret ( $\geq 5 - < 10$ )
White mineral oil (petroleum)	8042-47-5	Trade secret ( $\geq 1 - < 5$ )
disodium sebacate	17265-14-4	Trade secret ( $\geq 1 - < 5$ )
White mineral oil (petroleum)	8042-47-5	Trade secret ( $\geq 1 - < 5$ )
Ethyl Alcohol	64-17-5	Trade secret ( $\geq 0.1 - < 1$ )

Actual concentration is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.  
Keep patient warm and at rest.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.  
Wash off with soap and water.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
If eye irritation persists, consult a specialist.
- If swallowed : Move the victim to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
Do not induce vomiting without medical advice.  
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : No information available.  
None known.

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## SECTION 5. FIREFIGHTING MEASURES

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Exposure to decomposition products may be a hazard to health.

Methods and materials for containment and cleaning up	: Clean up promptly by sweeping or vacuum. Keep in suitable, closed containers for disposal.
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Advice on safe handling : Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Wash hands and face before breaks and immediately after

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handling the product.  
Do not ingest.  
Do not repack.  
These safety instructions also apply to empty packaging which may still contain product residues.  
Keep container closed when not in use.

Conditions for safe storage : Store in original container.  
Keep container closed when not in use.  
Keep in a dry, cool and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Store in accordance with the particular national regulations.  
Keep in properly labelled containers.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
(benzoato-O,O')hydroxy(octadecanoato-O,O')aluminium	54326-11-3	TWA (Inhalable particulate matter)	10 mg/m3	ACGIH (2018-03-20)
		TWA (Respirable particulate matter)	3 mg/m3	ACGIH (2018-03-20)
White mineral oil (petroleum)	8042-47-5	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)
		TWA (Mist)	5 mg/m3	OSHA Z-1 (2018-03-15)
		TWA (Mist)	5 mg/m3	OSHA P0 (1989-01-19)
		TWA (Mist)	5 mg/m3	NIOSH REL (2019-10-04)
		ST (Mist)	10 mg/m3	NIOSH REL (2019-10-04)
White mineral oil (petroleum)	8042-47-5	TWA (Inhalable particulate matter)	5 mg/m3	ACGIH (2013-03-01)
		TWA (Mist)	5 mg/m3	OSHA Z-1 (2018-03-15)
		TWA (Mist)	5 mg/m3	OSHA P0 (1989-01-19)
		TWA (Mist)	5 mg/m3	NIOSH REL (2019-10-04)
		ST (Mist)	10 mg/m3	NIOSH REL

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				(2019-10-04)
Ethyl Alcohol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL (2013-10-08)
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1 (1997-08-04)
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA P0 (1989-01-19)
		STEL	1,000 ppm	ACGIH (2013-03-01)

**Engineering measures** : none**Personal protective equipment**

Respiratory protection : Not required; except in case of aerosol formation.

Filter type : Filter type P

Hand protection

Material : Nitrile rubber

Break through time : &gt; 10 min

Protective index : Class 1

Remarks : For prolonged or repeated contact use protective gloves. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.

Eye protection : Safety glasses with side-shields

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : paste

Colour : beige

Odour : characteristic

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Odour Threshold	:	No data available
pH	:	Not applicable substance/mixture is non-soluble (in water)
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Combustible Solids
Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	< 0.001 hPa (68 °F / 20 °C)
Relative vapour density	:	No data available
Relative density	:	0.89 (68 °F / 20 °C) Reference substance: Water The value is calculated
Bulk density	:	No data available
Solubility(ies)		
Water solubility	:	insoluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	No data available

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Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive
Oxidizing properties	: No data available
Sublimation point	: No data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No hazards to be specially mentioned.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: No conditions to be specially mentioned.
Incompatible materials	: No materials to be especially mentioned.
Hazardous decomposition products	: No decomposition if stored and applied as directed.

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity	: Remarks: This information is not available.
Acute inhalation toxicity	: Remarks: This information is not available.
Acute dermal toxicity	: Remarks: This information is not available.

**Components:****White mineral oil (petroleum):**

Acute oral toxicity	: LD50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	: LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 GLP: yes Assessment: The substance or mixture has no acute inhala-

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tion toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity

**disodium sebacate:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: no

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes  
Assessment: The substance or mixture has no acute dermal toxicity

**White mineral oil (petroleum):**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

**Ethyl Alcohol:**

Acute oral toxicity : LD50 (Rat): 10,470 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 124.7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403

**Skin corrosion/irritation****Product:**

Remarks : This information is not available.



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**Components:**

**White mineral oil (petroleum):**

Species                               : Rabbit  
Assessment                           : No skin irritation  
Method                               : OECD Test Guideline 404  
Result                                : No skin irritation  
GLP                                    : yes

**disodium sebacate:**

Species                               : Rabbit  
Assessment                           : No skin irritation  
Method                               : OECD Test Guideline 404  
Result                                : No skin irritation  
GLP                                    : no

**White mineral oil (petroleum):**

Species                               : Rabbit  
Assessment                           : No skin irritation  
Method                               : OECD Test Guideline 404  
Result                                : No skin irritation  
GLP                                    : yes

**Ethyl Alcohol:**

Species                               : Rabbit  
Assessment                           : No skin irritation  
Method                               : OECD Test Guideline 404  
Result                                : No skin irritation

**Serious eye damage/eye irritation**

**Product:**

Remarks                               : This information is not available.

**Components:**

**White mineral oil (petroleum):**

Species                               : Rabbit  
Result                                : No eye irritation  
Assessment                           : No eye irritation  
Method                               : OECD Test Guideline 405  
GLP                                    : yes

**disodium sebacate:**

Species                               : Rabbit  
Result                                : Irritating to eyes.  
Assessment                           : Irritating to eyes.  
Method                               : OECD Test Guideline 437  
GLP                                    : yes

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**White mineral oil (petroleum):**

Species                         : Rabbit  
Result                         : No eye irritation  
Assessment                   : No eye irritation  
Method                        : OECD Test Guideline 405  
GLP                             : yes

**Ethyl Alcohol:**

Species                         : Rabbit  
Result                         : Irritating to eyes.  
Assessment                   : Irritating to eyes.  
Method                        : OECD Test Guideline 405

**Respiratory or skin sensitisation**

**Product:**

Remarks                         : This information is not available.

**Components:**

**White mineral oil (petroleum):**

Test Type                       : Maximisation Test  
Species                         : Guinea pig  
Assessment                   : Does not cause skin sensitisation.  
Method                        : OECD Test Guideline 406  
Result                         : Does not cause skin sensitisation.  
GLP                             : yes

**disodium sebacate:**

Species                         : Guinea pig  
Assessment                   : Did not cause sensitisation on laboratory animals.  
Result                         : Did not cause sensitisation on laboratory animals.

**White mineral oil (petroleum):**

Test Type                       : Buehler Test  
Species                         : Guinea pig  
Assessment                   : Does not cause skin sensitisation.  
Method                        : OECD Test Guideline 406  
Result                         : Does not cause skin sensitisation.  
GLP                             : yes

**Ethyl Alcohol:**

Species                         : Mouse  
Assessment                   : Does not cause skin sensitisation.  
Method                        : OECD Test Guideline 429  
Result                         : Does not cause skin sensitisation.

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**Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

**White mineral oil (petroleum):**

Genotoxicity in vitro	: Test Type: Ames test Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay) Result: negative GLP: yes
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Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Germ cell mutagenicity - Assessment : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Genotoxicity in vitro	:	Test Type: Ames test Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 471 Result: negative
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Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse  
Result: negative

**Product:**

Remarks : No data available

**White mineral oil (petroleum):**

Carcinogenicity - Assessment	: No evidence of carcinogenicity in animal studies.
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Carcinogenicity - Assessment	: No evidence of carcinogenicity in animal studies.
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<b>IARC</b>	Group 1: Carcinogenic to humans Ethyl Alcohol	64-17-5
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**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Product:**

Effects on fertility : Remarks: No data available

Effects on foetal development	: Remarks: No data available
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**Components:**

**White mineral oil (petroleum):**

Reproductive toxicity - Assessment	:	- Fertility - No toxicity to reproduction - Teratogenicity - No effects on or via lactation
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**disodium sebacate:**

Reproductive toxicity - Assessment : - Fertility -  
No toxicity to reproduction  
- Teratogenicity -  
No effects on or via lactation

**White mineral oil (petroleum):**

Reproductive toxicity - Assessment	: - Fertility - No toxicity to reproduction - Teratogenicity - No effects on or via lactation
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**STOT - single exposure**

**Components:**

**White mineral oil (petroleum):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**White mineral oil (petroleum):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Ethyl Alcohol:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT - repeated exposure**

**Components:**

**White mineral oil (petroleum):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**White mineral oil (petroleum):**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Ethyl Alcohol:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Repeated dose toxicity**

**Product:**

Remarks : This information is not available.

**Components:**

**White mineral oil (petroleum):**

NOAEL : 1,800 mg/kg  
Exposure time : 90 d

**Ethyl Alcohol:**

Species : Rat, female  
NOAEL : 1,730 mg/kg  
Application Route : Oral  
Exposure time : 90 d

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Method : OECD Test Guideline 408

**Aspiration toxicity**

**Product:**

This information is not available.

**Components:**

**White mineral oil (petroleum):**

No aspiration toxicity classification

**disodium sebacate:**

No aspiration toxicity classification

**White mineral oil (petroleum):**

May be fatal if swallowed and enters airways.

**Ethyl Alcohol:**

No aspiration toxicity classification

**Further information**

**Product:**

Remarks : Information given is based on data on the components and the toxicology of similar products.

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

Toxicity to fish : Remarks: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

Toxicity to microorganisms : Remarks: No data available

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**Components:**

**White mineral oil (petroleum):**

Toxicity to fish                               : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other       : EC50 (Daphnia (water flea)): > 100 mg/l  
aquatic invertebrates                   Exposure time: 48 h  
Test Type: Immobilization  
Method: OECD Test Guideline 202

Toxicity to daphnia and other       : NOEC (Daphnia magna (Water flea)): >= 1,000 mg/l  
aquatic invertebrates (Chronic toxicity)                   Exposure time: 21 d

**disodium sebacate:**

Toxicity to fish                               : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other       : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
aquatic invertebrates                   Exposure time: 48 h  
Test Type: semi-static test  
Method: OECD Test Guideline 202  
GLP: yes

Toxicity to algae/aquatic               : EL50 (Skeletonema costatum (marine diatom)): 38.7 mg/l  
plants   Exposure time: 72 h  
Test Type: static test  
Method: ISO 10253  
GLP: yes

**White mineral oil (petroleum):**

Toxicity to fish                               : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203

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- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : NOEC (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 28 d  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): >= 1,000 mg/l  
Exposure time: 21 d  
Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.
- Toxicity to microorganisms : LC50 (Bacteria): > 1,000 mg/l  
Exposure time: 40 h  
Test Type: Growth inhibition
- Ethyl Alcohol:**
- Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 3,220 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h
- Toxicity to algae/aquatic plants : EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 6,300 mg/l  
Exposure time: 48 d



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**Product:**

Biodegradability : Remarks: No data available

Physico-chemical removability	Remarks: No data available
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**White mineral oil (petroleum):**

Biodegradability	:	Primary biodegradation
		Inoculum: activated sludge
		Result: Not rapidly biodegradable
		Biodegradation: 31 %
		Exposure time: 28 d
		Method: OECD Test Guideline 301B

Biodegradability : Result: Biodegradable  
Biodegradation: 89 %  
Exposure time: 28 d

Biodegradability : Biodegradation: 31 %  
Exposure time: 28 d

Biodegradability	:	aerobic
		Result: Readily biodegradable.
		Testing period: 28 d
		Kinetic:
		28 d: 97 %
		Method: OECD Test Guideline 301B

**Product:**

Bioaccumulation	: Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).
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Results of PBT and vPvB : Non-classified PBT substance Non-classified vPvB substance

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assessment

**White mineral oil (petroleum):**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

**Ethyl Alcohol:**

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.  
Do not dispose of with domestic refuse.  
Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.  
Dispose of waste product or used containers according to local regulations.

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**SECTION 14. TRANSPORT INFORMATION**

**International Regulations**

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations**

**49 CFR**

Not regulated as a dangerous good

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02/01/2024**SECTION 15. REGULATORY INFORMATION****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Methanol	67-56-1	100	100 (F003)

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

**US State Regulations****Massachusetts Right To Know**

White mineral oil (petroleum)	8042-47-5
White mineral oil (petroleum)	8042-47-5
Quartz (SiO <sub>2</sub> )	14808-60-7

**Pennsylvania Right To Know**

Dec-1-ene, homopolymer, hydrogenated	68037-01-4
Isopropyl oleate	112-11-8
(benzoato-O,O')hydroxy(octadecanoato-O,O')aluminium	54326-11-3
Propene, 2-methyl-, polymers	9003-27-4
White mineral oil (petroleum)	8042-47-5
White mineral oil (petroleum)	8042-47-5

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02/01/2024**Maine Chemicals of High Concern**

White mineral oil (petroleum)	8042-47-5
Quartz (SiO <sub>2</sub> )	14808-60-7

**Vermont Chemicals of High Concern**

White mineral oil (petroleum)	8042-47-5
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**Washington Chemicals of High Concern**

White mineral oil (petroleum)	8042-47-5
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**New York City Hazardous Substances**

White mineral oil (petroleum)	8042-47-5
2,6-Di-tert-butyl-p-cresol	128-37-0
Ethyl Alcohol	64-17-5
Methanol	67-56-1

**California Prop. 65**

WARNING: This product can expose you to chemicals including Ethyl Alcohol, Quartz (SiO<sub>2</sub>), which is/are known to the State of California to cause cancer, and Ethyl Alcohol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**California List of Hazardous Substances**

White mineral oil (petroleum)	8042-47-5
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**California Permissible Exposure Limits for Chemical Contaminants**

White mineral oil (petroleum)	8042-47-5
White mineral oil (petroleum)	8042-47-5

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**SECTION 16. OTHER INFORMATION****Further information****Full text of other abbreviations**

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL	: USA. NIOSH Recommended Exposure Limits
OSHA P0	: USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	: USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA	: 8-hour, time-weighted average
ACGIH / STEL	: Short-term exposure limit
NIOSH REL / TWA	: Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST	: STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday

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OSHA P0 / TWA                    : 8-hour time weighted average  
OSHA Z-1 / TWA                 : 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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