Printing date 05/31/2024

Reviewed on 05/31/2024

Product identifier	
Trade name: <u>Mineral Oil 2500 PPM</u> w/w in Hexane O&G Stand.	
Article number: SPX379	
Details of the supplier of the safety data sheet Manufacturer/Supplier: Aqua Solutions, Inc. 6913 Highway 225 DEER PARK, TX 77536 USA 800-256-2586	AQUA SOLUTIONS
Information department: Technical Coordinator Sherman Nelson shermann@aquasolutions.org Emergency telephone number: Chemtrec: 800-424-9300 Canutec: 613-996-6666	
Hazard(s) identification	
Classification of the substance or mixture	
GHS02 Flame	
Flammable Liquids 2 GHS08 Health hazard	H225 Highly flammable liquid and vapor.
Toxic to Reproduction 2	H361 Suspected of damaging fertility or the unborn child
Specific Target Organ Toxicity - Repeated Exposure 2	2 H373 May cause damage to organs through prolonged or repeated exposure.
Aspiration Hazard 1	H304 May be fatal if swallowed and enters airways.
GHS07	
Skin Irritation 2	H315 Causes skin irritation.
Specific Target Organ Toxicity - Single Exposure 3	H336 May cause drowsiness or dizziness.
• Label elements • GHS label elements The product is classified and labe • Hazard pictograms	eled according to the Globally Harmonized System (GHS).
GHS02 GHS07 GHS08	

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	(Contd. of page
Hazard-determining components of labeling:	
Hexane	
Hazard statements	
Highly flammable liquid and vapor.	
Causes skin irritation.	
Suspected of damaging fertility or the unborn child.	
May cause drowsiness or dizziness.	
May cause damage to organs through prolonged or repeated exposure.	
May be fatal if swallowed and enters airways.	
Precautionary statements	
Obtain special instructions before use.	
Do not handle until all safety precautions have been read and understood.	
Keep away from heat/sparks/open flames/hot surfaces No smoking.	
Ground/bond container and receiving equipment.	
Use explosion-proof electrical/ventilating/lighting/equipment.	
Use only non-sparking tools.	
Take precautionary measures against static discharge.	
Do not breathe dust/fume/gas/mist/vapors/spray.	
Wash thoroughly after handling.	
Use only outdoors or in a well-ventilated area.	
Wear protective gloves/protective clothing/eye protection/face protection.	
If swallowed: Immediately call a poison center/doctor.	
Specific treatment (see on this label).	
Do NOT induce vomiting.	
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/showed	er.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
IF exposed or concerned: Get medical advice/attention.	
Call a poison center/doctor if you feel unwell.	
Get medical advice/attention if you feel unwell.	
Take off contaminated clothing and wash it before reuse.	
If skin irritation occurs: Get medical advice/attention.	
In case of fire: Use CO2, powder or water spray to extinguish.	
Store in a well-ventilated place. Keep container tightly closed.	
Store in a well-ventilated place. Keep cool.	
Store locked up.	
Dispose of contents/container in accordance with local/regional/national/international regulation	246
Classification system:	<i>ms</i> .
NFPA ratings (scale 0 - 4)	
Health = 1	
Fire = 3	
1 0 Reactivity = 0	
HMIS-ratings (scale 0 - 4)	
$\begin{array}{c c} \text{HEALTH} & 2 \end{array} \\ Health = 2 \end{array}$	
FIRE 3 $Fire = 3$	
REACTIVITY 0 Reactivity = 0	
Other hazards	
Results of PBT and vPvB assessment	
PBT: Not applicable.	
	(Contd. on page

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• **vPvB:** Not applicable.

(Contd. of page 2)

99.75%

0.25%

3 Composition/information on ingredients

· Chemical characterization: Mixtures

• Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 110-54-3 Hexane

· Table of Nonhazardous Ingredients

CAS: 8012-95-1 Paraffin oils

4 First-aid measures

· Description of first aid measures

- General information:
- Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- · After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available. • Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

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Trade name: Mineral Oil 2500 PPM

w/w in Hexane O&G Stand.

 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation. Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. Protective Action Criteria for Chemicals 	(Contd. of page 3)
· PAC-1:	
CAS: 110-54-3 Hexane	260 ppm
· PAC-2:	
CAS: 110-54-3 Hexane	2900* ppm
· PAC-3:	
CAS: 110-54-3 Hexane	8600** ppm

7 Handling and storage

- · Handling:
- Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
 Open and handle receptacle with care.
 Prevent formation of aerosols.
 Information about protection against explosions and fires:
- Information about protection against explosions and fires
 Keep ignition sources away Do not smoke.
 Protect against electrostatic charges.
 Keep respiratory protective device available.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.
 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see section 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

CAS: 110-54-3 Hexane

PEL Long-term value: 1800 mg/m³, 500 ppm

REL Long-term value: 180 mg/m³, 50 ppm

- TLV Long-term value: 50 ppm
 - Skin; BEI

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US

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Form:

Color:

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(Contd. of page 4)

Exposure controls Personal protective equipment: General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the skin. Avoid contact with the skin. Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposures prespiratory protective device that is independent of circulating air.	 BEI 0.5 mg/L LD50 Intraperitoneal: urine Time: end of shift LD50: 2.5-Hexanedione without hydrolysis Additional information: The lists that were valid during the creation were used as basis. Exposure controls Personal protective equipment: General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the skin. Avoid contact with the eyes and skin. Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer or respiratory protective device that is independent of circulating air. Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation Due to missing tests no recommendation to the glove material can be given for the product/ the preparation 	
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	Body protection: Protective work clothing	
Physical and chemical properties		
Physical and chemical properties		
	Physical and chemical properties	
	Information on basic physical and chemical properties General Information	

Liquid

Clear, nearly water white

(Contd. on page 6)

Printing date 05/31/2024

Reviewed on 05/31/2024

Trade name: Mineral Oil 2500 PPM w/w in Hexane O&G Stand.

Change in condition Melting point/Melting range: -95 °C (-139 °F) Boiling point/Boiling range: 69 °C (156.2 °F) Flash point: -26 °C (-14.8 °F) Flammability (solid, gaseous): Highly flammable. Auto igniting: 240 °C (464 °F) Decomposition temperature: Not determined. Ignition temperature: Product is not selfigniting. Danger of explosion: Product is not explosive. However, formation of explosive air/vapo mixtures are possible. Explosion limits: Lower: Lower: 1.2 Vol % Upper: 7.7 Vol % Vapor pressure at 20 °C (68 °F): 160 hPa (120 mm Hg) Vapor pressure at 20 °C (68 °F): 1.0025 g/cm³ (8.36586 lbs/gal) Relative density Not determined. Vapor density Not determined. Solubility in / Miscibility with Wate at 20 °C (68 °F): Water at 20 °C (68 °F): 0.1 g/l Partition coefficient (n-octanol/water): Not determined. Viscosity: Dynamic: Dynamic: Not determined. Solubility in / Miscibility with Vot determined. Viscosity: Dynamic: Dynamic: Not determined. <		(Contd. of page 5
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• Evaporation rateNot determined.• Solubility in / Miscibility with Water at 20 °C (68 °F):0.1 g/l• Partition coefficient (n-octanol/water):Not determined.• Viscosity: Dynamic: Kinematic:Not determined.• Solvent content: Organic solvents:99.8 % 99.75 % 1,000.0 g/l / 8.35 lb/gal• Solids content:0.0 %	· Relative density	Not determined.
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1,000.0 g/l / 8.35 lb/gal Solids content: 0.0 %	0	
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Ather information No further relevant information available	Solids content:	
י סווופי וווטיווועווטו מעוועטופ.	• Other information	No further relevant information available.

10 Stability and reactivity

• *Reactivity* No further relevant information available.

· Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.

• *Incompatible materials:* No further relevant information available.

(Contd. on page 7)

US

Printing date 05/31/2024

Reviewed on 05/31/2024

Trade name: Mineral Oil 2500 PPM

w/w in Hexane O&G Stand.

(Contd. of page 6)

· Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

- · Acute toxicity:
- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- · Toxicity
- Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- *Mobility in soil* No further relevant information available.
- Additional ecological information:
- · General notes:
- Water hazard class 2 (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even small quantities leak into the ground.
- · Results of PBT and vPvB assessment
- *PBT:* Not applicable.
- **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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US

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Trade name: Mineral Oil 2500 PPM w/w in Hexane O&G Stand.

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· Uncleaned packagings:

• *Recommendation: Disposal must be made according to official regulations.*

UN-Number	
DOT, IMDG, IATA	UN1208
UN proper shipping name DOT IMDG IATA	Hexanes mixture HEXANES mixture, MARINE POLLUTANT HEXANES mixture
Transport hazard class(es) DOT	
Class Label	3 Flammable liquids 3
IMDG	3 Flammable liquids
Label IATA	3
Class Label	3 Flammable liquids 3
Packing group DOT, IMDG, IATA	II
Environmental hazards: Marine pollutant:	Product contains environmentally hazardous substances: Hexan Yes Symbol (fish and tree)
Special precautions for user Hazard identification number (Kemler code): EMS Number: Stowage Category	Warning: Flammable liquids 33 F-E,S-D E
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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Reviewed on 05/31/2024

Trade name: Mineral Oil 2500 PPM w/w in Hexane O&G Stand.

	(Contd. of page 8
· Transport/Additional information:	
·DOT	
• Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
· IMDG	
\cdot Limited quantities (LQ)	1L
\cdot Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1208 HEXANES MIXTURE, ENVIRONMENTALLY HAZARDOUS, 3, II

15 Regulatory information

• Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.

•	Sara
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· Section 355 (extremely hazardous substances):	
None of the ingredients is listed.	
· Section 313 (Specific toxic chemical listings):	
CAS: 110-54-3 Hexane	
• TSCA (Toxic Substances Control Act):	
Hexane	ACTIVE
Paraffin oils	ACTIVE
· Hazardous Air Pollutants	
CAS: 110-54-3 Hexane	
· Proposition 65	
· Chemicals known to cause cancer:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for males:	
CAS: 110-54-3 Hexane	
· Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	
· Carcinogenic categories	
· EPA (Environmental Protection Agency)	
CAS: 110-54-3 Hexane	I
· TLV (Threshold Limit Value)	
None of the ingredients is listed.	
· NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	
	(Contd. on page 1

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Trade name: Mineral Oil 2500 PPM w/w in Hexane O&G Stand.

(Contd. of page 9) • GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). · Hazard pictograms GHS02 GHS07 · Signal word Danger · Hazard-determining components of labeling: Hexane · Hazard statements Highly flammable liquid and vapor. Causes skin irritation. Suspected of damaging fertility or the unborn child. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. · Precautionary statements Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. *Ground/bond container and receiving equipment.* Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eve protection/face protection. If swallowed: Immediately call a poison center/doctor. Specific treatment (see on this label). Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Get medical advice/attention if you feel unwell. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. In case of fire: Use CO2, powder or water spray to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations. · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Environment protection department.

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Trade name: Mineral Oil 2500 PPM w/w in Hexane O&G Stand.

Contracts	(Contd. of page 10)
Contact:	
Date of Preparation / Last Revision:	
Date of preparation / last revision	
Revision 1.2, 05/31/2024: Reviewed SDS for accuracy. MH/STN	
Creation date for SDS 08-11-2015. STN	
05/31/2024	
Abbreviations and acronyms:	
IMDG: International Maritime Code for Dangerous Goods	
DOT: US Department of Transportation	
IATA: International Air Transport Association	
EINECS: European Inventory of Existing Commercial Chemical Substances	
ELINCS: European List of Notified Chemical Substances	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
NFPA: National Fire Protection Association (USA)	
HMIS: Hazardous Materials Identification System (USA)	
VOC: Volatile Organic Compounds (USA, EU)	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
NIOSH: National Institute for Occupational Safety	
OSHA: Occupational Safety & Health	
TLV: Threshold Limit Value	
PEL: Permissible Exposure Limit	
REL: Recommended Exposure Limit	
BEI: Biological Exposure Limit	
Flammable Liquids 2: Flammable liquids – Category 2	
Skin Irritation 2: Skin corrosion/irritation – Category 2	
Toxic to Reproduction 2: Reproductive toxicity – Category 2	
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3	
Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2	
Aspiration Hazard 1: Aspiration hazard – Category 1	
* Data compared to the previous version altered.	