

**1. Identification of the Substance / Preparation and of the Company / Undertaking**

- 1.1 Product Name:** VisFlo 48.5 Bowling Lane Conditioner
- 1.2 Alternate Names:** White mineral oil (petroleum)
- 1.3 Manufacturer's ID:** 294006031, 294006032
- 1.4 Recommended Use:** Petrochemical industry: Petroleum refining. Mineral oil.
- 1.5 Application Method:** Varied
- 1.6 Manufacturer:** QubicaAMF 8100 AMF Drive
Mechanicsville, VA 23111, USA
Emergency Phone: (352) 323-3500 (800) 535-5053
Email: EU-Chemicals@qubicaamf.com (Worldwide);
INFOSDS@qubicaamf.us (USA)
- 1.7 ChemTel 24-hour
Emergency Phone Numbers:** United States, Canada, Puerto Rico, U.S. Virgin Islands: 1-800-255-3924,
Australia: 1-300-954-583, Brazil: 0-800-591-6042, China: 400-120-0751,
India: 000-800-100-4086, Mexico: 01-800-099- 0731,
All other countries (collect calls accepted): +1-813-248-0585

2. Hazards Identification

- 2.1 Classification:** H304 - Aspiration Hazard - Category 1
Other Hazards: none known
- 2.2 Label Elements:**
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- 2.2.1 Pictogram(s)/Symbol(s):** GHS08
- 2.2.2 Signal Word:** DANGER
- 2.3 Hazard statements:** May be fatal if swallowed and enters airways
IF SWALLOWED: Immediately call a POISON CENTER
or doctor/physician; Do NOT induce vomiting;
Dispose of contents/container to approved disposal facility
- 2.4 Precautionary Statements:**
- 2.4.1 Prevention:** P301+ P310: IF SWALLOWED Immediately call a POISON CENTER / doctor
/physician / first aider
P331: Do NOT induce vomiting
- 2.4.2 Response:** No GHS response statements
- 2.4.3 Storage:** No GHS storage statements
- 2.4.4 Disposal:** No GHS disposal statements



3. Composition / Information on Ingredients

3.1 Substance/preparation (mixture): This product is a substance.

CASRN / EC No / Index-No	REACH Registration No.	Concentration	Component	Classification REGULATION (EC) No 1272/2008
CASRN 8042- 47-5 EC No. Polymer Index-No.	01-2119487078- 27-0055	99%	White mineral oil	Aspiration Hazard - H304
CASRN 60828-78-6 EC No. Polymer Index-No.	--	.3%	Poly(oxy 1,2 ethanediyl), .alpha.- [3,5-dimethyl-1- (2 methylpropyl)hexyl] -omega.-hydroxy-	Eye Irrit. - 2 - H319 Aquatic Chronic - 2 - H411

If present in this product, any not classified components disclosed above for which no country specific OEL value(s) is(are) indicated under Section 8, are being disclosed as voluntarily disclosed components. For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First Aid Measures

4.1 Description of first aid measures

- General** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
- Eyes** Immediately flush the eyes with large amounts of water for at least 15 minutes, alternately lifting the upper and lower eyelids. After 5 minutes, if appropriate, remove contact lenses and continue flushing the eyes for an additional 15 minutes. Not expected to cause prolonged or significant eye irritation.
- Skin** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.
- Ingestion** Not expected to be harmful if swallowed. Do NOT induce vomiting.

4.2 Most Important Symptoms/Effects (acute and delayed)

Overview Inhalation of oil mists or vapors generated at elevated temperatures may cause respiratory irritation. Accidental ingestion can result in minor irritation of the digestive tract, nausea and diarrhea.

Notes to Physician: Acute aspirations of large amounts of oil-laden material may produce a serious aspiration pneumonia.

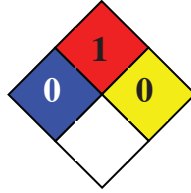
Patients who aspirate these oils should be followed for the development of long-term sequelae. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.



5. Fire Fighting Measures

NFPA Rating Hazard Class

Health: 1
Flammability: 2
Instability: 0
Special Hazards: None



Hazard Rating Legend

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

5.1 Extinguishing Media

Recommended extinguishing media; alcohol resistant foam, CO2, powder, water spray.
Do not use; water jet.

5.2 Specific Hazards Arising from the Substance or Mixture

Hazardous decomposition: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases including carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion.

5.3 Advice for fire-fighters

Firefighting personnel should respond with appropriate protective clothing, firefighting gear, and breathing equipment as trained. All other personnel should exit the area and proceed to a gathering point in an area unaffected by the fire and smoke.

See Section 9 for Flammable Properties including Flash Point and Flammable (Explosive) Limits

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6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2 Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3 Methods and material for containment and clean-up

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls / Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities as appropriate or required.



7. Handling and Storage

7.1 Safe Handling Precautions

Keep away from flames and hot surfaces. Use good personal hygiene practices and wear appropriate personal protective equipment. Spills will produce very slippery surfaces.

7.2 Conditions for safe storage, including any incompatibilities

Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association {NFPA 77, 'Recommended Practice on Static Electricity', and / or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, 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 and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

Incompatible materials: Strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

8. Exposure Controls / Personal Protection

8.1 Control parameters

Exposure

Table with 4 columns: CAS No., Ingredient, Source, Value. Row 1: 8042-47-5, White Mineral Oil, OSHA, ACGIH, NIOSH, exposure limits for oil mist are 5 mg/m3, 10 mg/m3, NO Established Limit.

Contains mineral oil. The exposure limits for oil mist are 5 mg/m3 OSHA PEL and 10 mg/m3 ACGIH.

Carcinogen Data

Table with 4 columns: CAS No., Ingredient, Source, Value. Row 1: 8042-47-5, White Mineral Oil, OSHA, NTP, Select -Carcinogen:- No, Known: No; Suspected: No.

8.2 Exposure controls.

Respiratory: If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.



Eyes: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin: Wear overalls to keep skin contact to a minimum. Nitrile rubber gloves should be worn.

Engineering Controls: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices: Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

9. Physical and Chemical Properties

Appearance: Colorless liquid

Odor: Mild, Petroleum odor

Odor threshold: Not measured

pH: Not applicable

Melting/freezing point: Not applicable

Initial boiling point/boiling range:
> 500°F (260°C)

Flash Point: 311°F (155°C) minimum
(Cleveland Open Cup)

Evaporation rate (Ether=1): Not measured

Flammability (solid, gas): Not applicable

Upper/lower flammability limits: Not measured

Upper/lower explosive limits: Not measured

Vapor Pressure: < 0.01 mmHg @ 100°F (37.8°C)

Vapor Density: > 1

Specific Gravity:
0.85 - 0.87 @ 60.1°F (15.6°C) / 60.1°F (15.6°C)

Solubility in H₂O: Soluble in hydrocarbon solvents,
insoluble in water

Partition coefficient (N-octanol/water):
Not measured

Auto-ignition temperature: Not measured

Decomposition temperature: Not measured

Viscosity (cSt): 9-20 cSt @ 104°F (40°C)

Pour point: -40°F (-40°C) to 10°F (-12°C)

DMSO extract by IP346: < 3.0 wt %

10. Stability and Reactivity

10.1 Reactivity: Hazardous Polymerization will not occur.

10.2 Chemical stability: Stable under normal circumstances.

10.3 Possibility of hazardous reactions: None known (none expected).

10.4 Conditions to avoid: Extended exposure to high temperatures can cause decomposition.
Avoid all possible sources of ignition.

10.5 Incompatible materials: Strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

10.6 Hazardous decomposition products: Not anticipated under conditions of normal use.



11. Toxicological Information

11.1 Acute toxicity

Table with 6 columns: Ingredient, Oral LD50, Skin LD50, Inhalation Vapor LID50, Inhalation Dust/Mist LD50, Inhalation Gas LID50. Row 1: White Mineral Oil (8042-47-5), >5 Rat - Category: 5, >2g/kg Category: 4, No data available, >5 Rat - Category: 5, No data available.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Table with 6 columns: Classification, Category, Hazard Description, Classification, Category, Hazard Description. Rows include Acute toxicity (oral, dermal, inhalation), Skin corrosion / irritation, Serious eye damage / irritation, Respiratory sensitization, Skin sensitization, Germ cell mutagenicity, Carcinogenicity, Reproductive toxicity, STOT -single exposure, STOT -repeated exposure, Aspiration hazard.

12. Ecological Information

GHS Classification: Aspiration hazard Category 1

12.1 Toxicity

Ecotoxicity: All acute aquatic toxicity studies on samples of similar oils show acute toxicity values greater than 100mg/1 for invertebrates, algae and fish. These tests were carried out on water accommodated fractions and the results are consistent with predicted aquatic toxicity of these substances based on their hydrocarbon compositions. Not classified hazards.

Environmental Fate: This material is considered inherently biodegradable. This material is not expected to present any environmental problems other than those associated with oil spills. This material is not readily biodegradable. See Section 6 for Accidental Release Measures.

Aquatic Ecotoxicity

Table with 4 columns: Ingredient, 96 hr LC50 fish, mg/l, 48 hr EC50 crustacea, mg/l, ErC50 algae, mg/l. Row 1: White Mineral Oil (8042-47-5), 5,000, Oncorhynchus mykiss, 1,000, Daphnia magna, Not available.

12.2 Persistence and degradability

Persistence per IOPC Fund definition: persistent

12.3 Bioaccumulative potential

Not Measured



12.4 Mobility in soil
PNo data available

12.5 Results of PBT and vPvB assessment
(persistent, bioaccumulative and toxic, very persistent, very bioaccumulative)
This product contains no PIBT/vPvB chemicals.

12.6 Other adverse effects
None expected

13. Disposal Considerations

13.1 Waste treatment methods
Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods. (See B.C. Reg. GY/92 Waste Management Act; R. IR.O. 1990, Reg. 347 General-Waste Management; C.C.SM.c. W40 The Waste Reduction and Prevention Act; N.S. Reg. 51/95 and N.S. Reg. 179/96 for examples of Provincial legislation.)

14. Transport Information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1 UN Number:	Not Regulated		
14.2 UN Proper shipping name:	Petroleum Oil, N.O.I.B.N., not regulated as a hazardous material	Not Regulated	Not Regulated
14.3 Transport hazard class(es):	DOT Hazard Class Not Applicable DOT Label --- --- --- ---	IMDG: N/A Sub class: N/A	Air Class: Not Applicable
14.4 Packing group:	Not Applicable	Not Applicable	Not Applicable
14.5 Environmental hazards:		IMDG: Marine Pollutant: No	
14.6 Special precautions for user:	No further information		

15. Regulatory Information

- 15.1 Regulatory Overview:** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
- 15.2 Toxic Substance Control Act (TSCA):** All components of this material are either listed or exempt from listing on the TSCA Inventory.
- 15.3 WHMIS Classification:** Not Regulated
- 15.4 US EPA Tier II Hazards:** Fire: No Reactive: No Sudden Release of Pressure: No
Delayed (Chronic): No Immediate (Acute): No



- 15.5.1 **EPCRA 311/312 Chemicals and RQs:** (No product ingredients listed)
- 15.5.2 **EPCRA 302 Extremely Hazardous:** (No product ingredients listed)
- 15.5.3 **EPCRA 313 Toxic Chemicals:** (No product ingredients listed)
- 15.6.1 **Proposition 65 - Carcinogens (>0.0%):** (No product ingredients listed)
- 15.6.2 **Proposition 65 - Developmental Toxins (>0.0%):** (No product ingredients listed)
- 15.6.3 **Proposition 65 - Female Repro, Toxins (>0.0%):** (No product ingredients listed)
- 15.6.4 **Proposition 65 - Male Repro, Toxins (>0.0%):** (No product ingredients listed)
- 15.7 **N.J. RTK Substances (>1%):** (No product ingredients listed)
- 15.8 **Penn RTK Substances (>1%):** (No product ingredients listed)

National Chemical Inventories

Chemical Name	AICS	DSL	CHINA	EINCS	ENCS	KOREA	PICCS	TSCA	CANADA
White Mineral Oil CAS Number: (8042-47-5)	X	X	X	X	X	X	X	X	X

15.7 EU regulations

- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I** Not listed.
- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II** Not listed.
- Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I as amended** Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended** Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended** Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended** Not listed.
- Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V, as amended** Not listed.
- Regulation (EC) No. 166/2006 Annex II Pollutant IRelease and Transfer Registry** Not listed.
- Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA** Not listed.

16. Other Information

16.1 The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.



16.2 SDS: VisFlo 48.5 White Mineral Oil

16.3 Product ID: 294006031, 294006032

16.4 SDS Revision Level: 2.0

16.5 SDS Revision Date: 16 September 2017

16.6 Revision Reason(s): To add ChemTel Emergency Phone Numbers.

16.7 The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

The data on this SDS relates only to the specific material described and does not relate to its use in combination with other materials or in any process.

This is the first version in the GHS SDS European REACH format. (v1601)

End of Document