



【Material Safety Data Sheet】

Target of this document :All user and work manager of this product including manufacturing worker, dealer and transportation etc..

1. Chemical Product and Company Identification

Product/Chemical Name	VBC AW HYDRO ISO 46
General Characteristics	Liquid (mixture)
Identification of Hazard	Irritable, Hazardous on environment
General Use	ISO-L-HM type of hydraulic fluid
Manufacturer	Vina Buhmwoo Co., Ltd No 7C, Nhon Trach 2 IZ, Nhon Trach Dist, Dong Nai Prov, Vietnam TEL : +84 251 356 9521-3 FAX : 84 251 356 9520
Urgent contact	Vina Buhmwoo Co., Ltd No 7C, Nhon Trach 2 IZ, Nhon Trach Dist, Dong Nai Prov, Vietnam TEL : +84 251 356 9521-3 FAX : 84 251 356 9520
Supplier/Dealer	Vina Buhmwoo Co., Ltd No 7C, Nhon Trach 2 IZ, Nhon Trach Dist, Dong Nai Prov, Vietnam TEL : +84 251 356 9521-3 FAX : 84 251 356 9520
Revision no, Date	No : 0 Date : 2019/07/01

2. Composition/Information on Ingredients

	Chemical Name	CAS No	Contents(%)
Mineral oil		64742-54-7	97 ~ 99
Others		64742-57-0	3 max

3. Hazard Identification

Acute Effects	NTP,OSHA,IARC do not list all the raw material using in this product as carcinogen. NFPA index: Health=1, Fire =1, Reactivity=0 In case of idiosyncrasy, may cause skin and the eye irritation if exposure is prolonged
Eye Contact	Irritation
Skin Contact	Irritation, allergy and skin distress
Inhalation	Irritation
Ingestion	Stomach irritation, vomit, stomach distress Chronic Effect
None reported.	

4. First Aid Measures

Eye Contact	Flush the eye continuously for more 15 minutes with flooding clean water and consult an ophthalmologist immediately. Wash out eye thoroughly with plenty of clean water.
Skin Contact	Quickly remove the contaminated clothing. Wash exposed area with soap and water. Consult a physician as needed. Wash skin with soap and water.

Inhalation	Remove exposed person to fresh air and administer 100% humidified supplemental oxygen with assisted ventilation as needed.
Ingestion	Do not induce vomiting and contact the physician. Wash out mouth with water. Seek medical attention.
Note to Physicians	Treat symptomatically.

5. Fire-Fighting Measures

Flash Point	Min. 210 ^o F	Auto ignition Temperature	No data available
Min. Temperature of Ignition	No data available	Max. Temperature Ignition	No data available
Extinguishing Media	CO ₂ , extinguishing powder		
Fire-Fighting Instructions &	As beginning the fire, use regular foam, dry chemical, carbon dioxide and water. For small fires, can be used water spray around the hazard area. For large fires, use water spray and regular foam.		
Hazardous Combustion Products	Carbon Oxide, Carbon Dioxide.		
Prohibited Extinguishing	Water		

6. Accidental Release Measures

Human-Body Protection Measures	Wear impervious gloves, overalls and eye protection while cleaning up the spillage.
Environmental Protection Measures	Remove the spilled product using absorbent material because the product do not contain any hazard ingredients. Contain and collect spillage and absorb onto sand.
Cleanup	Remove and prevent from extending by absorbent material, sawdust and sand. Dispose of in accordance with local authority regulations.

7. Handling & Storage

Handling Precautions	Use in well ventilated place. Keep away from heat and ignition sources. Do not reach to children. Protect against skin and eye contact. Wear fit able protective clothing/equipment as needed.
Storage Requirements	Store in tightly closed container in a cool, well-ventilated area away from heat and ignition sources and incompatibles. Close the container tightly after using in the case of drum container. Avoid contact with acids and oxidizing agents.

8. Exposure Controls/Personal Protection

Engineering Controls	Store in the indoor if possible. Close the cap in order to prevent from leakage cap after using, Check the permissible concentration and use local ventilator. Working procedures should be designed to minimize worker exposure to this product.
Respiratory Protection	Wear chemically protective mask in high concentration area but it is not required normally.

Eye Protection	Wear chemically protective goggles. Safety goggles recommended.
Hand Protection	Wear chemically protective gloves. Impervious gloves recommended
Body Protection	Wear chemically protective boots and clothing. Protective overalls and shoes / boots recommended.
Sanitary Precautions	Protect skin using protective cream after cleaning the skin.
Permissible Concentration(TWA)	No data available (TWA 5mg/m ³ in case of Mineral Oil)

9. Physical & Chemical Properties

Appearance	Colorless transparent	Saturated Vapor	No data available
Odor	Charateristic	DensityVapor	No data available
pH	No data available	Pressure	0.862
Water solubility	Insoluble	Density(15/4□)	No data available
Boiling Point	No data available	Molecular Weight	No data available
Melting Point	No data available	Vapor Density	32 ± 3
		Viscosity(cSt, 40□)	

10. Stability & Reactivity

Chemical Stability	Stable under normal pressure and temperature.
Chemical Incompatibilities and Conditions to Avoid	Oxidants, direct ray of light, water and any heat and ignition source.
Hazardous Decomposition Products	Carbon oxide and bad smell in severe case.
Hazardous Products at	Does not react with other materials. Reaction

11. Toxicological Information

Acute Oral Effects	No data available
Acute Inhalation effect	Vomit, nausea, dizziness
Multiple Dose Toxicity Data	No data available
Carcinogen	Not applicable (NTP, OSHA, IARC)

12. Ecological Information

Residual & Resolving Effects	No data reported. Do not release into surface waters.
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13. Disposal Consideration

Regulations	Contact your supplier or a licensed contractor for detailed recommendations. When disposing of waste or surplus material, avoid contact with the eye and skin.
Disposal Method	Dispose of in accordance with local authority regulations.