

SAFETY DATA SHEET

VIRA BASPAR BARTAR Company

Address: 2nd floor, No.24, 5th Razmandegan Alley, Razmandegan St., Shahrood, Iran.

Telephone: (+98)23-32228684

VIRA 7520

Biocide



1- IDENTIFICATION

Trade name	VIRA 7520
Application	Petroleum industry and water flooding system
Type of usage	Biocide
COMPANY IDENTIFICATION	VIRA BASPAR BARTAR Company Address: 2 nd floor, No.24, 5 th Razmandegan Alley, Razmandegan St., Shahrood, Iran. Telephone: (+98)23-32228684

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Composition:

Organophosphorus compound	≥ 20%
Quaternary ammonium compound	≥ 5%
Methanol	≥ 3%

HAZARDS IDENTIFICATION

Toxic by inhalation, in contact with skin and if swallowed. May cause sensitization by skin contact. Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate



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ventilation. Keep container tightly closed and in a well-ventilated place. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear a face shield. Wear chemical resistant apron, chemical splash goggles, impervious gloves and boots. Containers should be triple rinsed with water (or equivalent) and sent to an approved waste handling facility for disposal. Send waste liquid from cleaning of used containers to an approved waste handling facility.

Health Information

The health information below is based on the active component.

EYE CONTACT:

VIRA 7520 biocide may cause severe eye irritation with the potential for corneal injury.

SKIN CONTACT:

Brief contact with VIRA 7520 biocide is nonirritating to the skin. However, repeated contact may cause severe skin irritation with local redness and discomfort. Additionally, VIRA 7520 biocide is harmful if adsorbed through the skin and has caused allergic skin reactions in laboratory animals.

INGESTION:

VIRA 7520 biocide may be fatal if swallowed. Swallowing smaller amounts may cause gastrointestinal irritation.

INHALATION:

Inhalation of VIRA 7520 biocide mist may cause severe irritation of the upper respiratory tract (nose and throat) and lungs. Prolonged excessive exposure may cause serious adverse effects, even death.

REPEATED EXPOSURE:

Long-term oral feeding studies performed in laboratory animals reported some adverse effects on liver, spleen and bone marrow, but did not show any evidence of carcinogenicity. Under

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certain use conditions, this product may generate small amounts of formaldehyde in aqueous solutions. Formaldehyde is classified as a possible human carcinogen.

FIRST AID MEASURES

EYE CONTACT:

PROMPT ACTION IS ESSENTIAL IN CASE OF CONTACT. Immediately flush eye with water for at least 15 minutes while holding eyelids open. Get immediate medical attention.

SKIN CONTACT:

Immediately flush with plenty of water for at least 15 minutes. For a large splash, flood body under a shower. Remove contaminated clothing. Wash off affected area immediately with plenty of water. Get immediate medical attention. Contaminated clothing, shoes, and leather goods must be discarded or cleaned before re-use.

INGESTION:

Do not induce vomiting. If conscious, washout mouth and give water to drink. Get immediate medical attention.

INHALATION:

Remove to fresh air, treat symptomatically. Get medical attention.

NOTE TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage. Based on the individual reactions of the patient, the physician's judgement should be used to control symptoms and clinical condition.

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FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Dry chemical, CO₂ or water spray.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING:

As in any fire, wear self-contained breathing apparatus pressure-demand, and full protective gear.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Restrict access to area as appropriate until clean-up operations are complete. Ensure clean-up is conducted by trained personnel only. Ventilate spill area if possible. Do not touch spilled material. Eliminate ignition sources. Stop or reduce any leaks if it is safe to do so. Use personal protective equipment (Exposure Controls/Personal Protection).

METHODS FOR CLEANING UP:

SMALL SPILLS: Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area. **LARGE SPILLS:** Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Wash site of spillage thoroughly with water. Contact an approved waste hauler for disposal of contaminated recovered material.

ENVIRONMENTAL PRECAUTIONS:

Prevent material from entering sea, sewers or waterways.

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STORAGE AND HANDLING

STORAGE:

Store VIRA 7520 water treatment biocide in a cool dry ventilation area away from direct sunlight and heat to avoid deterioration. Avoid temperatures above 90°C. The active ingredient decomposes at elevated temperatures with generation of gas which can cause pressure buildup in closed systems. Store separately from oxidizers. Store in suitable labeled containers. Incorrect storage may lead to the deterioration of the material to an impure, unsafe or explosive condition.

HANDLING

Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Avoid release of vapors or mists into workplace air. Keep the containers closed when not in use. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	colorless to pale yellow liquid
Solubility	water soluble
Specific gravity	1.0 to 1.3 gr/cm ³
pH	≥ 4
Odor	Pungent

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STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid extremes of temperature. Heat and sources of ignition.

MATERIALS TO AVOID: Contact with strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under fire conditions: Organic product, Oxides of carbon and Oxides of nitrogen.

TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes: Causes serious eye damage

Skin: Harmful in contact with skin. May cause allergic skin reaction

Ingestion: Fatal if swallowed. Harmful if swallowed

Inhalation: Fatal if inhaled. Harmful if inhaled

DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The classification or waste code may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the

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material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Disposal methods:

The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations:

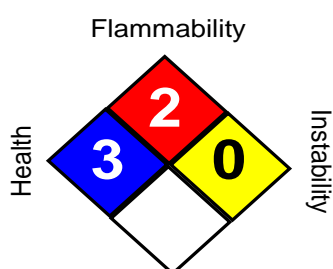
Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

TRANSPORT INFORMATION

Toxic liquid Carefully to Carry.

OTHER INFORMATION

NFPA



0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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