



Smog Doctor di van Bakel Werner
Via Nazionale, 87/2
40065 Pianoro (BO)
Tel. +39 - 335 - 21 81 00
VAT IT 02915091207
C.F. VNBWNR58S11Z126C

1 - Chemical Product and Company name

1.1 - Product Name: vb68a COMBUSTION CHAMBER CLEANER

1.2 - Manufactured for

Smog Doctor di van Bakel Werner
Via Nazionale, 87/2
40065 Pianoro (BO) Italy

1.3 - Telephone Number: +39 - 335 - 21 81 00

1.4 - E-mail adress: info@smogdoctor.eu

1.5 - Emergency Telephone Number: +39 - 335 - 21 81 00

1.6 - Usage: Engine cleaning with form N.C. CODE 27 10 19 81

1.7 - Date of compilation: 22/05/2023

2 - Composition/Information on Ingredients

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Distillates (petroleum), hydrotreated heavy paraffinic	50 - 75	64742-54-7	265-157-1		
Distillates (petroleum), solvent-refined light paraffinic	25 - 50	64741-89-5	265-091-3		
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	1 - < 5	68649-42-3	272-028-3		

Substance name	Hazard Class	H-phrases	Pictograms	
Distillates (petroleum), hydrotreated heavy paraffinic	Asp. Tox. 1	H304	GHS08	
Distillates (petroleum), solvent-refined light paraffinic	Asp. Tox. 1	H304	GHS08	
Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	Skin Irrit. 2; Eye Dam. 1; Aquatic Chronic 2	H315; H318; H411	GHS05; GHS07; GHS09	

3 - Hazard Identification

This material has no known health hazards under applicable laws.

4 - First Aid and Emergency

4.1 - Skin exposure

Remove immediately contaminated clothes and wash with plenty of water. Call for a physician, if irritation occurs or in case of contact with large areas of the body.

4.2 - Eyes exposure

See a physician immediately and, in the meantime, start washing with water for at least 15-minutes, keeping lids well open, if possibile, use the portable or fixed shower-jet.

4.3 - Ingestion

Call immediately a physician and arrange for the first aid. Rinse mouth with plenty of water. DO NOT induce vomiting. Drink slowly fresh water.

4.4 - Inhalation

Remove immediately the victim from the contaminated area and keep him in a safe position, in a well-ventilated area. Seek medical advice immediately and arrange for the first aid.

5 - Fire Fighting Measures

Flash Point > 100 C

5.1 - Procedures

Fire can be extinguished using foam, carbon dioxide (CO₂), dry chemicals, sand, dolomite etc.
Use water SPRAY only to cool containers! Do not put water on leaked material.

6 - Accidental Release Measures

6.1 - Procedures

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Provide ventilation and confine spill. Do not allow runoff to sewer. Collect with absorbent, non-combustible material into suitable containers.

Wear the appropriate protective equipment e.g.: anti-dust mask, suitable clothes, glasses, gloves and anti-sliding shoes, before any operation. If the product flows down into a river, in the sewage or contaminates the ground or vegetation, advise competent Authorities.

Sheet conform directive CEE 67/548 Material Safety Data Sheet of the product: vb68a COMBUSTION CHAMBER CLEANER - pag. 1 di 4



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7 - Handling and Storage

7.1 - Procedure

Comply with common technical and hygiene industrial norms relating to handling and storage of substances and chemical products. Wear appropriate protective equipment e.g.: anti-dust mask, suitable clothes, glasses, gloves and anti-sliding shoes. Assure good ventilation during the use. Store in cool and well-ventilated areas.

8 - Exposure Controls/Personal Protection

8.1 - Procedures

Comply with common technical and hygiene industrial norms relating to handling and storage of substances and chemical products. Wear appropriate protective equipment e.g.: anti-dust mask, suitable clothes, glasses, gloves and anti-sliding shoes. Assure good ventilation during the handling.

9 - Physical and Chemical Properties

9.1 - Appearance (at 20 °C and at 101,3 kPa) : Clear liquid

9.2 - Odour: Mild

9.3 - Colour: Light colored liquid

9.4 - pH value: n.a.

9.5 - Oxidising properties: none

9.6 - Explosive properties: none

9.7 - Flammability: not determined

9.8 - Flashpoint: > 100 C

9.9 - Solubility in water: Not soluble

9.10 - Density: 0.88g/ml

Abbreviation: n.a.: not applicable; n.e.: not evaluate

10 - Stability and Reactivity

10.1 - Stability

Stable liquid in normal conditions of storage. It develops black smoke, CO, CO₂ and derivatives of incomplete combustion..

10.2 - Conditions to avoid

Avoid the storage in high temperatures areas.

10.3 - Materials to avoid

Acids and oxidising, in general.

10.4 - Hazardous reaction

Decomposition.

11 - Toxicological Information

11.2 - Dermal irritation (rabbit) LD₅₀: > 2000 mg/kg

11.3 - Eyes irritation (rabbit): Not expected to cause eye irritation Based on data from components or similar materials.

12 - Ecological Information

-- ENVIRONMENTAL TOXICITY --

Freshwater Fish Toxicity The acute LC₅₀ is > 1000 mg/L based on similar materials.

Freshwater Invertebrates Toxicity The acute EC₅₀ is > 1000 mg/L based on similar materials.

Algal Inhibition The acute EC₅₀ is > 1000 mg/L based on similar materials.

Saltwater Fish Toxicity Not determined.

Saltwater Invertebrates Toxicity Not determined.

Bacteria Toxicity The acute EC₅₀ is > 1000 ppm based on actual data.

Miscellaneous Toxicity Not determined.



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-- ENVIRONMENTAL FATE --

Biodegradation	This product will biodegrade very rapidly based on OECD 301-type test data for similar products. Meets ready biodegradation criteria.
Bioaccumulation	This material potentially bioconcentrates, based on octanol/water coefficient data from similar materials.
Soil Mobility	Not determined.

13 - Disposal Conditions

13.1 – Procedures	This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.
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14 - Transport Information

ICAO/IATA I	Not regulated.
ICAO/IATA II	Not regulated.
IMDG	Not regulated.
IMDG EMS Fire	Not applicable.
IMDG EMS Spill	Not applicable.
IMDG MFAG	Not applicable.
MARPOL Annex II	Not determined.
USCG Compatibility	Not determined.
U.S. DOT Bulk	Not regulated.
U.S. DOT Non-Bulk	Not regulated.
DOT NAERG	Not applicable.
TDG Bulk	Not regulated.
TDG Non-Bulk	Not regulated.

15 - Regulatory Information

Symbol(s)	Not applicable.
Indication of Danger	Not applicable.
Precautionary Labels	Not applicable.
Other Label Information	None.

-- Global Chemical Inventories --

USA	All components of this material are on the US TSCA Inventory or are exempt.
Other TSCA Reg.	None known.
EU	All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.
Japan	All components are in compliance with the Chemical Substances Control Law of Japan.
Australia	All components are in compliance with chemical notification requirements in Australia.
New Zealand	All components are in compliance with chemical notification requirements in New Zealand.
Canada	All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.
Switzerland	All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Korea	All components are in compliance in Korea.
Philippines	All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
China	All components of this product are listed on the Inventory of Existing Chemical Substances in China.

-- Other U.S. Federal Regulations --

SARA Ext. Haz. Subst.	This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.
SARA Section 313	This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.
SARA 311 Classifications	Acute Hazard No



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Chronic Hazard No
Fire Hazard No
Reactivity Hazard No

CERCLA Hazardous Substances None known.

FDA Approval Not applicable.

-- State Regulations --

Cal. Prop. 65

This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

16 - Other Information

16.1 - Note: use the product only by following the instructions (dosing and concentration) of technical sheet.

DISCLAIMER

THIS INFORMATION CONTAINED HEREIN, RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS, TO THE BEST OF THE COMPANY'S KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE INDICATED. HOWEVER, NO WARRANTY, GUARANTEE OR REPRESENTATION IS MADE TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE DUTY OF THE USER TO ENSURE THAT THIS INFORMATION IS APPROPRIATE AND COMPLETE WITH RESPECT TO THE SPECIFIC USE INTENDED.

SHEET VERSION No. 1

That version replaces and cancels any other previous emitted versions.

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