

**MATERIAL SAFETY DATA SHEET**  
acc. 91/155/EC

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1. Identification of the Product and the Company

Brand name : BLACK DIAMOND  
Quality number : **VS 135**  
Date : 22-05-92  
Revision : 97/1  
Date of Revision : 07-04-97

Manufacturer : Royal Van Son BV  
P.O. Box 44  
1200 AA Hilversum, Holland

Dealer :

Information: Telephone : +31 35 6884411  
Fax : +31 35 6884404

2. Composition / Information on Ingredients

Description : Printing ink, offset, oxidative drying

<u>Substance</u>	<u>Weight%</u>	<u>CAS-NR.</u>	<u>R-Phrase</u>	<u>S-Phrase</u>	<u>MAC-Value (mg/m<sup>3</sup>)</u>	
					<u>MAC-TWA*</u>	<u>MAC-C**</u>
Organic Pigments	22 - 30					
Synthetic Resins	20 - 40					
Vegetable oils	18 - 28					
Mineral oils	10 - 20	64742-13-8	Note L			
		64741-91-9	Note L			
		64742-53-6	Note L			
Poly Ethylene Wax	2 - 5					
Drier	1 - 3					

TWA\*=Time Weighed Average 8h/day C\*\* = Ceiling

3. Hazard Identification

Hazards to Human Health : Can cause skin and eye irritation.

After Inhalation : -  
After contact with Skin : Prolonged contact may cause irritation.  
After contact with Eyes : Direct contact can cause irritation.  
After Swallowing : -

4. First Aid Measures

General Directions : Remove all contaminated clothing.  
In case of Inhalation : -  
In case of contact with Skin : Wash with water and soap.  
In case of contact with Eyes : Flush eye(s) with plenty of water for at least 15 minutes. If irritation persist, seek medical attention.  
In case of Swallowing : Wash out mouth. Do not stimulate vomiting. Seek medical attention.

5. Fire Fighting Measures

Suitable Extinguishing Media : Dry and foam agents, Carbon dioxide (CO<sub>2</sub>), water mist.

6. Accidental Release Measures

Personal Precautions : Rubber gloves.  
Environmental Protection : Do not allow material to enter drains or water courses.  
Spill Control : Sweep or scrape up and collect the material into appropriate, labelled containers.

7. Handling and Storage

Handling : -  
Fire and Explosion Precautions : Store firesafe, separate from oxidative products.  
Storage : Cool, dry place. Protect from cold and hot temperatures.

8. Exposure Controls / Personal Protection

Additional Directions : -

Personal Protection Media

Respiratory Protection : No special attention.  
Hand Protection : Rubber gloves.  
Eyes Protection : No special attention.  
Body Protection : Wear protective clothing.  
Hygiene Measures : Maintain general body hygiene.

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## 9. Physical and Chemical Properties

				Method
Appearance : Paste Colour : Black Odour : Mild	pH-Value	(20 °C)	: neutral	Closed Cup
	Viscosity	(20 °C)	: ± 500 DPa.s	
	Boiling Point/Range	( °C)	: 260 - 400	
	Melting Point/Range	( °C)	: ND	
	Flash Point	( °C)	: > 110	
	Autoignition Temperature	( °C)	: -	
	Explosion Limits in Air	Lower	: - Vol.%	
		Upper	: - Vol%	
	Vapour Pressure	(20 °C)	: < 0.1 mbar	
	Density	(20 °C)	: ± 1100 kg/m <sup>3</sup>	
	Solubility in Water	(20 °C)	: not g/l	

## 10. Stability and Reactivity

Circumstances to avoid : Do not smoke or eat, when using the product. Separate from possible sources of ignition.  
Materials to avoid : None known.  
Dangerous Reactions : None known.  
Hazardous Decomposition Products : Carbon oxides and metal components may be released on thermal decomposition.

## 11. Toxicological Information

Acute Toxicity

Oral LD<sub>50</sub>-Value : ND mg/kg<sub>(rat)</sub>  
Other Directions : None

## 12. Ecological Information

Fish Toxicity (LC<sub>50</sub>) : ND mg/l  
Bacteria Toxicity (EC<sub>50</sub>) : ND mg/l

Additional Ecological Directions : None

## 13. Disposal Considerations

Material Disposal : Only if necessary. Disposal of material to be carried out in accordance with local laws and regulations for chemical waste.  
Uncleaned Container Disposal : Disposal to be carried out in accordance with local laws and regulations for chemical waste.

## 14. Transport Information

	<u>Road Transport ADR / RID</u>	<u>Sea Transport IMO / IMDG</u>	<u>Air Transport ICOA / IATA</u>
Class	:		
Figure	:		
UN-Number	:		
Packing Group	:		
Marine Pollutant	:		
Proper Shipping Name	:		
Remark	: Not classified	Not classified	Not classified

## 15. Regulatory Information

Classification according to Directive 67/548/EC : No

R-Phrase(s) :  
S-Phrase(s) :  
Labelling :

EINECS/TOSCA Status : All components are included in these inventories.

## 16. Other Information

The information herein given is in good faith. No warranty, expressed or implied is made. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State and Local laws and regulations. The information contained in this confidential form is submitted solely for your organisation's internal use.

NA=**Not** Applicable, NC=**Not** Classified, ND=**Not** Determined.