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# SAFETY DATA SHEET

## ORB WM WASH

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

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**PRODUCT NAME:** ORB WM WASH

**APPLICATIONS:** A Lithographic Blanket and Roller Wash

**SUPPLIER:** **Offset Supplies (Yorkshire) Limited**  
Graphica House,  
Upwell Lane,  
Sheffield, S4 8EY  
Tel: (0)114 243333  
Fax: (0)114 2425582

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

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NAME			CONTENT
<b>CAS No.:</b>	<b>EINECS Nr.:</b>	<b>CLASSIFICATION</b>	
XYLENE			1-5 %
1330-20-7	215-535-7	Xn R-10, 20/21, 38	
1,2,4-TRIMETHYLBENZENE			10-30 %
95-63-6	202-436-9	Xn ,N R-10, 20, 36/37/38, 51/53	
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC			10-30 %
64742-95-6	265-199-0	Xn ,N R-10, 37, 51/53, 65, 66, 67	
PROPYLBENZENE			0-1 %
98-82-8	202-704-5	Xn ,N R-10, 37, 51/53, 65	
MESITYLENE			1-5 %
108-67-8	203-604-4	Xi ,N R-10, 37, 51/53	
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (2)			1-5 %
64742-48-9	265-150-3	Xn R-10, 65, 66	
NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY (1)			60-100 %
64742-82-1	265-185-4	Xn ,N R-10, 51/53, 65, 66, 67	

The Full Text for all R-Phrases are Displayed in Section 16

**COMPOSITION COMMENTS:** A petroleum distillate blend.

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### 3. HAZARDS IDENTIFICATION:

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Flammable. Irritating to respiratory system. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

#### 4. FIRST AID MEASURES:

<b>INHALATION:</b>	Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.
<b>INGESTION:</b>	Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention immediately!
<b>SKIN:</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.
<b>EYES:</b>	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

#### 5. FIRE FIGHTING MEASURES:

<b>EXTINGUISHING MEDIA:</b>	Fire can be extinguished using: Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemicals, sand, dolomite etc.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

#### 6. ACCIDENTAL RELEASE MEASURES:

<b>SPILL CLEANUP METHODS:</b>	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Do not let washing down water contaminate ponds or waterways. Wear necessary protective equipment.
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#### 7. HANDLING AND STORAGE:

<b>USAGE PRECAUTIONS:</b>	Maintain good standards of hygiene and work practices. Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
<b>STORAGE PRECAUTIONS:</b>	Flammable/combustible - Keep away from oxidizers, heat and flames. Keep in cool, dry, ventilated storage and closed containers. Keep in original container. Protect against physical damage and/or friction. May attack some plastics, rubber and coatings.
<b>STORAGE CRITERIA:</b>	Flammable liquid storage.

#### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY (1)	64742-82-1	OES	100 ppm	
XYLENE	1330-20-7	OES	50 ppm(Sk)	100 ppm(Sk)
1,2,4-TRIMETHYLBENZENE	95-63-6		25 ppm	No std.
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	64742-95-6	OES	40 ppm	
PROPYLBENZENE	98-82-8	OES	25 ppm(Sk)	50 ppm(Sk)
MESITYLENE	108-67-8	OES	20 ppm	
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (2)	64742-48-9	OES	170 ppm	

**INGREDIENT COMMENTS:** OES = Occupational Exposure Standard.

**PROTECTIVE EQUIPMENT:**



**VENTILATION:** Provide adequate general and local exhaust ventilation.

**RESPIRATORS:** Respiratory protection must be used if air concentration exceeds acceptable level.

**PROTECTIVE GLOVES:** Nitrile.

**EYE PROTECTION:** Use approved safety goggles or face shield.

**OTHER PROTECTION:** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**HYGIENIC WORK PRACTICES:** DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

<b>APPEARANCE:</b>	Liquid.		
<b>COLOUR:</b>	Straw.		
<b>ODOUR/TASTE:</b>	Hydrocarbon.		
<b>BOILING POINT (°C, interval):</b>	>140	<b>Pressure:</b>	760mmHg
<b>DENSITY/SPECIFIC GRAVITY (g/ml):</b>	0.80	<b>Temperature (°C):</b>	20
<b>VAPOUR PRESSURE:</b>	0.20 kPa	<b>Temperature (°C):</b>	20
<b>SOLUBILITY DESCRIPTION:</b>	Forms an emulsion with water.		
<b>FLASH POINT (°C):</b>	44	<b>Method:</b>	CC (Closed cup).
<b>AUTO IGNITION TEMP. (°C):</b>	>200		
<b>FLAMMABILITY LIMIT - LOWER(%):</b>	0.6		
<b>FLAMMABILITY LIMIT - UPPER(%):</b>	8.0		

## 10. STABILITY AND REACTIVITY:

**STABILITY:** Avoid: Heat, sparks, flames. Normally stable.

**CONDITIONS TO AVOID:** Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.

**HAZARDOUS DECOMP. PRODUCTS:** Not known.

## 11. TOXICOLOGICAL INFORMATION:

**HEALTH WARNINGS:** INHALATION. Irritating to respiratory system. SKIN CONTACT. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. EYE CONTACT. Direct contact with the eye may cause

irritation. INGESTION. May cause discomfort. Aspiration into the lungs during ingestion or subsequent vomiting will cause severe lung damage.

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## 12. ECOLOGICAL INFORMATION:

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<b>ECOLOGICAL INFORMATION:</b>	Volatile Organic Content (%) is equal to 95 - 100
<b>MOBILITY:</b>	Solubility in water: Forms an emulsion with water
<b>BIO ACCUMULATION:</b>	No data available.
<b>DEGRADABILITY:</b>	No data available.
<b>ACUTE FISH TOXICITY:</b>	No data available.
<b>WATER HAZARD CLASSIFICATION:</b>	Germany : WGK 2

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## 13. DISPOSAL CONSIDERATIONS:

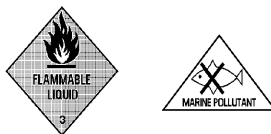
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<b>DISPOSAL METHODS:</b>	Dispose of in accordance with Local Authority requirements.
<b>WASTE CLASS:</b>	Regulation 2000/532/EC - Chapter Heading: Waste from MFSU of fine chemicals and chemical products not otherwise specified - 070704. Description: Other organic solvents, washing liquids and mother liquors.

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## 14. TRANSPORT INFORMATION:

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**LABEL FOR CONVEYANCE:**

<b>UN No. ROAD:</b>	1268
<b>UK ROAD PACK GR.:</b>	III
<b>ADR CLASS:</b>	Class 3: Flammable liquids.
<b>ADR LABEL No.:</b>	3
<b>PROPER SHIPPING NAME I:</b>	Petroleum Distillates N.O.S.
<b>PROPER SHIPPING NAME II:</b>	Refined Hydrocarbons
<b>RID CLASS No.:</b>	3
<b>UN No. SEA:</b>	1268
<b>IMDG CLASS:</b>	3
<b>IMDG PACK GR.:</b>	III

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EmS No.: 3-07  
MARINE POLLUTANT: Yes.

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## 15. REGULATORY INFORMATION:

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### LABEL FOR SUPPLY:



**CONTAINS** SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY (1)

**RISK PHRASES:** R-10 Flammable.  
R-37 Irritating to respiratory system.  
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R-65 Harmful: may cause lung damage if swallowed.  
R-66 Repeated exposure may cause skin dryness or cracking.  
R-67 Vapours may cause drowsiness and dizziness.

**SAFETY PHRASES:** S-37 Wear suitable gloves.  
S-51 Use only in well ventilated areas.  
S-57 Use appropriate containment to avoid environmental contamination.  
S-60 This material and its container must be disposed of as hazardous waste.  
S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.  
S-62 If swallowed, do not induce vomiting. Seek medical advice immediately and show the container or label.

**EU DIRECTIVES:** Dangerous Substances Directive (67/548/EEC). Dangerous Preparations Directive (1999/45/EC). Safety Data Sheets Directive (91/155/EEC) (As amended).

**STATUTORY INSTRUMENTS:** Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

**APPROVED CODE OF PRACTICE:** Classification and Labelling of Substances and Preparations Dangerous for Supply.

**GUIDANCE NOTES:** Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

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## 16. OTHER INFORMATION:

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DATE: 24/03/05

SDS No.: 1

**DISCLAIMER:** The information in this material Safety Data Sheet is based on the present state of our knowledge and on the current EC and National Regulations. The information relates to the specific product designated and may not be valid if it is used in combination with other materials or process. Nothing herein is to be construed as warranty, expressed or implied. It is always the responsibility of the user to take the necessary steps in order to fulfil the demands laid down in the rules and legislation. The product is for Industrial use only.

**R-PHRASES (Full Text):** R-10 Flammable. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R-65 Harmful: may cause lung damage if swallowed. R-66 Repeated

exposure may cause skin dryness or cracking. R-67 Vapours may cause drowsiness and dizziness. R-20/21 Harmful by inhalation and in contact with skin. R-38 Irritating to skin. R-20 Harmful by inhalation. R-36/37/38 Irritating to eyes, respiratory system and skin. R-37 Irritating to respiratory system.