

SAFETY DATA SHEET

ORB OPSCO WASH

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME ORB OPSCO WASH
APPLICATION A Lithographic Blanket and Roller Wash
SUPPLIER Offset Supplies (Yorkshire) Limited
Graphica House
Upwell Lane
Sheffield
S4 8EY
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
XYLENE	215-535-7	1330-20-7	1-5%	R10 Xn;R20/21 Xi;R38
CUMENE	202-704-5	98-82-8	< 1	R10 Xn;R65 Xi;R37 N;R51,R53
MESITYLENE	203-604-4	108-67-8	1-5%	R10 Xi;R37 N;R51,R53
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	5-10%	R10 Xn;R20 Xi;R36/37/38 N;R51,R53
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (2)	265-150-3	64742-48-9	30-50%	Xn;R65. R10,R66.
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	265-199-0	64742-95-6	10-30%	Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.
NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY (1)	265-185-4	64742-82-1	30-50%	Xn;R65. N;R51/53. R10,R66,R67.

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

COMPOSITION COMMENTS

A petroleum distillate blend.

3 HAZARDS IDENTIFICATION

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

CLASSIFICATION Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.

4 FIRST-AID MEASURES

INHALATION

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.

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INGESTION

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!

SKIN CONTACT

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.

EYE CONTACT

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

EXTINGUISHING MEDIA

Fire can be extinguished using: Carbon dioxide (CO₂). Foam. Dry chemicals, sand, dolomite etc.

SPECIAL FIRE FIGHTING PROCEDURES

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

SPILL CLEAN UP METHODS

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.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

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.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container. Protect against physical damage and/or friction. May attack some plastics, rubber and coatings.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
XYLENE	OES	50 ppm(Sk)	220 mg/m ³ (Sk)	100 ppm(Sk)	441 mg/m ³ (Sk)
CUMENE	OES	25 ppm(Sk)	125 mg/m ³ (Sk)	50 ppm(Sk)	250 mg/m ³ (Sk)
MESITYLENE	OES	20 ppm	100 mg/m ³		
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (2)	OES	170 ppm	1000 mg/m ³		
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	OES	40 ppm	200 mg/m ³		
NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY (1)	OES	100 ppm	600 mg/m ³		

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INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

Respiratory protection must be used if air contamination exceeds acceptable level.

HAND PROTECTION

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.

HYGIENE MEASURES

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. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Straw		
ODOUR	Hydrocarbon		
SOLUBILITY	Forms an emulsion with water.		
BOILING POINT (°C)	>150 760 mm Hg	RELATIVE DENSITY	0.80 @ 20 DegC
VAPOUR PRESSURE	0.20 kPa @ 20 DegC	FLASH POINT (°C)	39 CC (Closed cup).
AUTO IGNITION	> 200	FLAMMABILITY LIMIT -	0.6
TEMPERATURE (°C)		LOWER(%)	
FLAMMABILITY LIMIT -	7.0		
UPPER(%)			

10 STABILITY AND REACTIVITY

STABILITY

Avoid: Heat, sparks, flames. Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS

Not known.

11 TOXICOLOGICAL INFORMATION

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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.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Volatile Organic Content (%) is equal to 95 - 100

MOBILITY

Solubility in water: Forms an emulsion with water

BIOACCUMULATION

No data available.

DEGRADABILITY

No data available.

ACUTE FISH TOXICITY

No data available.

WATER HAZARD CLASSIFICATION

Germany : WGK 2

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

WASTE CLASS

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.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	Petroleum Distillates N.O.S.		
PROPER SHIPPING NAME	Refined Hydrocarbons		
UK ROAD PACK GR.	III	ADR CLASS	Class 3: Flammable liquids.
ADR LABEL NO.	3	RID CLASS NO.	3
UN NO. SEA	1268	IMDG CLASS	3
IMDG PACK GR.	III	EMS	F-E , S-E
MARINE POLLUTANT	Yes.		



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15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for
the
environment

CONTAINS

NAPHTHA (PETROLEUM), HYDRODESULPHURISED HEAVY (1)
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (2)
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC

RISK PHRASES

R10 Flammable.
R37 Irritating to respiratory system.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
R65 Harmful: may cause lung damage if swallowed.

SAFETY PHRASES

S37 Wear suitable gloves.
S51 Use only in well-ventilated areas.
S57 Use appropriate containment to avoid environmental contamination.
S60 This material and/or its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this 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).

16 OTHER INFORMATION

ISSUE NO. 1
DATE 24/03/05

RISK PHRASES IN FULL

R10	Flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

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.