



SAFETY DATA SHEET

QD WASH

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME QD WASH
 PRODUCT NO. QD-PC
 APPLICATION For use as a blanket and roller wash in the lithographic printing industry

Supplier: Morgana Systems Ltd
 Davy Avenue
 Knowlhill
 Milton Keynes
 MK5 8HJ
 Tel: 01908 60888
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2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
TETRACHLOROETHYLENE	204-825-9	127-18-4	31-35	Carc3;R40 N;R51,R53
WHITE SPIRIT (30)	265-185-4	64742-82-1	50-70%	Xn;R65. N;R51/53. R66,R67.

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

3 HAZARDS IDENTIFICATION

Flammable. Limited evidence of a carcinogenic effect. 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. Carc 3;R40. N;R51/53. R10,R66,R67.

ENVIRONMENT

Contains a substance which causes risk of hazardous effects to the environment.

HUMAN HEALTH

Vapours/aerosols may irritate the respiratory system.

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

INGESTION

DO NOT INDUCE VOMITING! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Remove victim immediately from source of exposure. 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 and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Carbon dioxide (CO2). Alcohol resistant foam. Dry chemicals, sand, dolomite etc. DO NOT use water if avoidable.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Containers close to fire should be removed or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

QD WASH

UNUSUAL FIRE & EXPLOSION HAZARDS

May develop highly toxic or corrosive fumes if heated. May form explosive or toxic mixtures with air.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the National Rivers Authority or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Ventilate well. Wear necessary protective equipment. Avoid contact with skin or inhalation of spillage, dust or vapour. Absorb in vermiculite, dry sand or earth and place into containers. Runoff or release to sewer, waterway or ground is forbidden.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Wear full protective clothing for prolonged exposure and/or high concentrations. Use explosion proof electric equipment.

STORAGE PRECAUTIONS

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

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
TETRACHLOROETHYLENE	OES	50 ppm	345 mg/m3	100 ppm	689 mg/m3

INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

Supplied-air respirator. Self-contained breathing apparatus.

HAND PROTECTION

Use protective gloves made of: Polyvinyl alcohol (PVA). Viton rubber (fluor rubber).

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

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. **DO NOT SMOKE IN WORK AREA!**

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Blue green		
ODOUR	Hydrocarbon Chlorinated hydrocarbons.		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	120 - 170 760 mm Hg	RELATIVE DENSITY	0.94 20

QD WASH

VOLATILE BY VOL. (%)

100

FLASH POINT (°C)

36 TCC (Tag closed cup).

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat. Avoid contact with oxidisers or reducing agents.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen chloride (HCl). Phosgene (COCl2).

11 TOXICOLOGICAL INFORMATION

HEALTH WARNINGS

INHALATION. May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. SKIN CONTACT. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. EYE CONTACT. May cause severe irritation to eyes. INGESTION. May cause stomach pain or vomiting.

TARGET ORGANS

Skin. Eyes. Respiratory system, lungs.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not known.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Incinerate in suitable combustion chamber. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS

3(6.1)

PROPER SHIPPING NAME

FLAMMABLE LIQUID, TOXIC, N.O.S. (PETROLEUM DISTILLATES N.O.S., TETRACHLOROETHYLENE)

14 TRANSPORT INFORMATION

UN NO. ROAD

1992

UK ROAD PACK GR.

III

ADR CLASS NO.

3(6.1)

ADR CLASS

Class 3: Flammable liquids.

ADR PACK GROUP

III

HAZARD NO. (ADR)

36 Flammable liquid (flash-point between 23°C and 61°C, inclusive), slightly toxic, or self heating liquid, toxic.

ADR LABEL NO.

3(6.1)

HAZCHEM CODE

3WE

RID CLASS NO.

3(6.1)

RID PACK GROUP

III

UN NO. SEA

1992

IMDG CLASS

3(6.1)

IMDG PACK GR.

III

EMS

F-E,S-D

MARINE POLLUTANT

Yes.



UN NO. AIR

1992

ICAO CLASS

3

QD WASH

AIR SUB CLASS

6.1

AIR PACK GR.

III

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS

TETRACHLOROETHYLENE
WHITE SPIRIT (30)

RISK PHRASES

R10	Flammable.
R40	Limited evidence of a carcinogenic effect.
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

S51	Use only in well-ventilated areas.
S36/37	Wear suitable protective clothing and gloves.
S57	Use appropriate container to avoid environmental contamination.
S60	This material and 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

System of specific information relating to Dangerous Preparations. 2001/58/EEC.

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

INFORMATION SOURCES

Croner's: Dangerous Substances. Croner's: Emergency Spillage Guide. Croner's: Emergency First Aid Guide. Croner's: Substances Hazardous to Health.

REVISION COMMENTS

This Safety Data Sheet supercedes all issues before 01/May/04

REVISION DATE May 04

REV. NO./REPL. SDS GENERATED 1 - 10/01

DATE May 04

RISK PHRASES IN FULL

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