



SAFETY DATA SHEET

4-1200 SAFETY ZONE BLANKET WASH

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : 4-1200 SAFETY ZONE BLANKET WASH
Chemical product name : -
Synonyms : -
Chemical formula : -
Use of the substance/preparation : Used within the Lithographic Printing Industry to clean rubber rollers and offset blankets.
Supplier : **AB Dick Company Limited**
 Great West Trading Estate
 983 Great West Road
 Brentford
 Middlesex
 TW8 9DN England
 Tel: +44 (0)20 8326 1200
 Telefax: +44 (0)20 8326 1201
Emergency telephone number : In case of emergency please contact the Dutch National Poison Control, telephone number: 31-(0)30-2748888. (This number is only accessible to the physician treating the patient and only in case of accidental poisoning).

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation

Information on hazardous ingredients *

Chemical name	CAS No.	%	EC Number	Symbol	R-Phrases
Naphtha (petroleum), hydrotreated heavy	64742-48-9	60 - 100	265-150-3	Xn	R10-R65-66
Cyclohexene, 1-methyl-4-(1-methylethenyl)-	5989-27-5	10 - 30	227-813-5	Xi, N	R10-38-43-50/53

* *Occupational Exposure Limit(s), if available, are listed in section 8*

* *R-phrases (complete text) are listed in section 16*

3. HAZARDS IDENTIFICATION

Physical/chemical hazards : Flammable.
Human health hazards : Irritating. May cause sensitization by skin contact. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.
Environmental hazards : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES

Effects and symptoms

Inhalation : After swallowing the liquid, droplets can enter the lungs (inhalation) and may cause pneumonia. Prolonged or repeated inhalation may be irritating (depressed respiration, coughing and sore throat). Exposure may result in headache, dizziness, drowsiness and narcosis.



SAFETY DATA SHEET
4-1200 SAFETY ZONE BLANKET WASH

- Ingestion** : Harmful: may cause lung damage if swallowed. Prolonged or repeated exposure may be irritating to mouth, throat and oesophagus (sore throat, nausea and retching). Exposure may result in central nervous depression and unconsciousness.
- Skin contact** : May cause allergic reaction(s). Exposure may result in redness, swelling and pain. May be harmful:degreasing.
- Eye contact** : Prolonged or repeated exposure to even very small quantities may be irritating (redness, tears and pain).

First-aid measures

- Inhalation** : Immediately remove victim to fresh air. Keep victim at rest. If breathing is difficult: mouth-to-mouth resuscitation. If not breathing: artificial respiration. Consult a doctor.
- Ingestion** : Never give anything by mouth to an unconscious person. Do not induce vomiting. Wash out mouth with water. Immediately get medical attention.
- Skin contact** : Immediately remove contaminated clothing. Wash off with plenty of water and soap. Consult a doctor.
- Eye contact** : Immediately wash out with plenty of water with the eyelid held wide open for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. Immediately get medical attention.
- Protection of first-aiders** : Avoid exposure. Use appropriate protection (see section 8).

5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable** : Dry chemical, carbon dioxide, sand, foam.
- Special fire-fighting procedures** : Fight fires from a protected location. Dike fire control water for later disposal. Cool exposed containers with water spray.
- Unusual fire/explosion hazards** : Vapour is heavier than air and travels along the ground with the risk of distant ignition.
- Hazardous thermal (de)composition products** : Burning produces: carbon monoxide, carbon dioxide.
- Protection of fire-fighters** : Use breathing apparatus. Wear suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : In the event of major spillage: Evacuate room. Contact safety officer immediately. Wear suitable protective clothing, gloves and eye/face protection.
- Environmental precautions** : Prevent dispersion. Do not allow to enter sewage system. In the event of major spillage: Contact safety officer immediately.
- Methods for cleaning up** : Incendive / Danger of explosion. Keep away from sources of ignition. Seal leak if possible without risk. Prevent dispersion. Clean up only under supervision of an expert. Collect spilled material in sealable containers. Absorb remainder in sand or other inert material. Collect in sealable containers.



SAFETY DATA SHEET

4-1200 SAFETY ZONE BLANKET WASH

7. HANDLING AND STORAGE

- Handling** : When handling the product, allow for materials and conditions which should be avoided (see Chapter 10). Avoid exposure. Use appropriate protection (see section 8). Take precautionary measures against static discharges. Keep away from open flame, sparks or sources of ignition. Explosion protected electrical equipment.
- Specific use(s)** : Used within the Lithographic Printing Industry to clean rubber rollers and offset blankets.
- Storage** : Store in fireproof location. When storing the product, allow for materials and conditions which should be avoided (see Chapter 10). Ventilation required along the floor.
- Packaging materials**
- Suitable** : Keep in sealable containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering measures** : In the event of use above flash point: Use in closed systems. Ventilation required along the floor. Ventilation required. Explosion protected electrical equipment. Explosion proof lighting. Earth connection against static electricity. Spark-free tool. Do not heat.
- Hygiene measures** : When using do not eat, drink or smoke. Follow good housekeeping practices.
- Occupational Exposure Limits - Europe** : No occupational exposure limits have been established - Europe.
- Occupational Exposure Limits - United Kingdom** : No occupational exposure limits have been established - United Kingdom.
- Personal protective equipment**
- Respiratory system** : With sufficient ventilation, extraction or closed system, breathing apparatus not necessary. In the event of possible exposure: gas/vapour filter A.
- Skin and body** : Wear suitable protective clothing (Chemical resistant clothing).
- Hands** : Wear suitable gloves (butyl rubber gloves or neoprene gloves).
Breakthrough time: Not available.
- Eyes** : Safety glasses.
- Environmental exposure controls** : EU Regulations:
Water (2001/60/EC): Not listed.
Air (1992/62/EC): Not listed.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state** : Liquid.
- Colour** : Clear.
- Odour** : Fruit-like.
- Boiling point** : 140 - 195 °C (760 mmHg)
- Vapour pressure** : 0.39 kPa (20°C)
- Specific gravity (H₂O=1)** : 0.75 - 0.8 (15°C)
- Solubility in water** : Insoluble.
- Flash point** : 32 °C
Closed cup



SAFETY DATA SHEET

4-1200 SAFETY ZONE BLANKET WASH

Autoignition temperature : > 200 °C
 Lower explosion limit : 0.6 volume %
 Upper explosion limit : 8.0 volume %

10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions. When incorrectly used: Fire hazard.
Conditions to avoid : Keep away from: open flame and sources of ignition. Do not heat.
Materials to avoid : Keep away from: oxidizing substances, acids, bases.
Hazardous reactions : Not available.
Hazardous decomposition products : Not known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity - Inhalation : Irritating to mucous membranes.
Skin irritation : Irritating.
Eye irritation : Irritating.
Sensitization : May cause allergic reaction(s).

Chemical name : **Naphtha (petroleum), hydrotreated heavy**
Acute toxicity - Oral : LD₅₀ (rat): 5000 mg/kg
Acute toxicity - Dermal : LD₅₀ (rabbit): 2000 mg/kg
Acute toxicity - Inhalation : LC₅₀ (4 hours): 500 ppm
Chemical name : **Cyclohexene, 1-methyl-4-(1-methylethenyl)-**
Acute toxicity - Oral : LD₅₀ (rat) 4400 mg/kg
Acute toxicity - Dermal : LD₅₀ (rabbit) 5000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity : According to expectations: Dangerous for the environment.

Chemical name : **Cyclohexene, 1-methyl-4-(1-methylethenyl)-**
Ecotoxicity : LC₅₀ (fish, 96 hour): 0.702 mg/l

13. DISPOSAL CONSIDERATIONS

Methods of disposal : Disposal according to the local legislation.
Waste of residues : Keep waste separate. Because of possible pollution, remove as industrial waste or hazardous waste.
Contaminated packaging : Keep waste packaging separate. Because of possible pollution, remove as industrial waste or hazardous waste.

14. TRANSPORT INFORMATION

International transport regulations

UN number : 3295

Land - Road/Railway

Proper shipping name : Hydrocarbons, liquid, n.o.s.
 (Naphtha Petroleum, Hydrotreated Heavy & D-Limonene)

ADR/RID Class : 3



SAFETY DATA SHEET
4-1200 SAFETY ZONE BLANKET WASH

Classification code : F1
Packing group : III
Hazard Identification Number : 30

Sea

IMDG Class : 3
IMDG Page number : 3352
Packing group : III
Emergency Schedules (EmS) : 3-07

Air

Proper shipping name : Hydrocarbons, liquid, n.o.s.
 (Naphtha Petroleum, Hydrotreated Heavy & D-Limonene)
UN/ID Number : 3295
IATA-DGR Class : 3

15. REGULATORY INFORMATION

EU Regulations

EU Classification (67/548/EEC-1999/45/EC)
Hazard symbol(s) : Xn, N



HARMFUL



DANGEROUS FOR THE ENVIRONMENT

Risk phrases : R10: Flammable.
 R38: Irritating to skin.
 R43: May cause sensitization by skin contact.
 R65: Harmful: may cause lung damage if swallowed.
 R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S23: Do not breathe vapour.
 S24: Avoid contact with skin.
 S37: Wear suitable gloves.
 S60: This material and its container must be disposed of as hazardous waste.
 S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

National regulations

United Kingdom : No additional national regulations are known to the supplier



SAFETY DATA SHEET
4-1200 SAFETY ZONE BLANKET WASH

16. OTHER INFORMATION

List of relevant R-phrases (section 2) : R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66: Repeated exposure may cause skin dryness or cracking.

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable in processes other than those specifically described herein.

HISTORY

Date of printing : 01-07-2003

Date previous issue : 19-12-2001

Date of issue : 01-07-2003

Version : 003.00.00

The version-number is made up of three parts; part 1 is a general information code, part 2 a country-specific code and part 3 a language-specific code (Country: Great Britain; Language: English)

Prepared by : Royal Haskoning
P.O. Box 151
6500 AD Nijmegen
The Netherlands