

SAFETY DATA SHEET
according to EC directive 2001/58/EC



DAMPAKLEEN

SUBID : 000000008993

Version 2
Revision Date 16.01.2006

Print Date 17.01.2006

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

Identification of the substance/preparation

Product name : DAMPAKLEEN
Use of the Substance/Preparation : Emulsion cleaner

Company/Undertaking Identification

Agfa-Gevaert Ltd.
27 Great West Road
TW8 9AX Brentford, Middlesex
United Kingdom
Tel. : +44 (0)20 8 231 4616
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2. COMPOSITION/INFORMATION ON INGREDIENTS

The hazard and labelling information in this section is that of the individual ingredients. The corresponding information relative to this product as supplied is given in section 15. Full text of each relevant R-phrases is listed in section 16.

Emulsion cleaner, mainly consisting of:

Hazardous components

- | | | | | |
|--------------------------|---------------------|-----------------------------|---|------|
| • Naphtha (petroleum) | Concentration [%] : | 40.0 | - | 60.0 |
| CAS-No. | : | 64742-82-1 | | |
| Index-No. | : | 649-330-00-2 | | |
| EINECS-No. | : | 265-185-4 | | |
| Symbol(s) | : | Xn, N | | |
| R-phrases(s) | : | R10, R51/53, R65 | | |
| • 1,2,4-Trimethylbenzene | Concentration [%] : | 1.0 | - | 5.0 |
| CAS-No. | : | 95-63-6 | | |
| Index-No. | : | 601-043-00-3 | | |
| EINECS-No. | : | 202-436-9 | | |
| Symbol(s) | : | Xn, N | | |
| R-phrases(s) | : | R10, R20, R36/37/38, R51/53 | | |
| • 1,3,5-Trimethylbenzene | Concentration [%] : | 1.0 | - | 5.0 |
| CAS-No. | : | 108-67-8 | | |
| Index-No. | : | 601-025-00-5 | | |
| EINECS-No. | : | 203-604-4 | | |
| Symbol(s) | : | Xi, N | | |
| R-phrases(s) | : | R10, R37, R51/53 | | |
| • Isopropylbenzene | Concentration [%] : | 1.0 | - | 5.0 |
| CAS-No. | : | 98-82-8 | | |
| Index-No. | : | 601-024-00-X | | |
| EINECS-No. | : | 202-704-5 | | |
| Symbol(s) | : | Xn, N | | |
| R-phrases(s) | : | R10, R37, R51/53, R65 | | |
| • Propylbenzene | Concentration [%] : | 1.0 | - | 5.0 |
| CAS-No. | : | 103-65-1 | | |
| Index-No. | : | 601-024-00-X | | |
| EINECS-No. | : | 203-132-9 | | |

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Symbol(s)	: Xn, N		
R-phrase(s)	: R10, R37, R51/53, R65		
• Xylene		Concentration [%] :	1.0 - 5.0
CAS-No.	: 1330-20-7		
Index-No.	: 601-022-00-9		
EINECS-No.	: 215-535-7		
Symbol(s)	: Xn		
R-phrase(s)	: R10, R20/21, R38		
• Fatty alcohol ethoxylate		Concentration [%] :	1.0 - 5.0
CAS-No.	: 9004-95-9		
Symbol(s)	: Xn		
R-phrase(s)	: R22, R41		
Other			
• Water		Concentration [%] :	20.0 - 30.0

3. HAZARDS IDENTIFICATION

EC-classification:

Symbol(s)	: Xn	Harmful
	N	Dangerous for the environment
R-phrase(s)	: R10	Flammable.
	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.

4. FIRST AID MEASURES

Eye contact	: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin contact	: Wash immediately with plenty of water and soap. If symptoms persist, seek medical advice.
Ingestion	: Do not induce vomiting. Obtain medical attention.
Inhalation	: Take person to fresh air. If necessary, seek medical advice.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: e.g. water, CO2, foam, powder, sand
Further information	: Water mist may be used to cool closed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: See section 8.
Environmental precautions	: For waste disposal see section 13.
Methods for cleaning up	: Dike the spill if necessary. Soak up with absorbent material. Collect large spills into a properly labelled and sealable container. Prevent release into the drain, soil or surface water.
Additional advice	: Wash away residues with plenty of water.

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7. HANDLING AND STORAGE

Handling

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

Storage

Advice on common storage : Store away from strong acids. Store away from oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values

Components	CAS-No.	Values	Type	Revision Date	Basis
Xylene	1330-20-7	221 mg/m ³	TWA	05 2001	EU ELV
		442 mg/m ³	STEL	05 2001	EU ELV
		220 mg/m ³	TWA	2005	EH40 WEL
		441 mg/m ³	STEL	2005	EH40 WEL
Isopropylbenzene	98-82-8	100 mg/m ³	TWA	05 2003	EU ELV
		250 mg/m ³	STEL	05 2003	EU ELV
		125 mg/m ³	TWA	2005	EH40 WEL
		250 mg/m ³	STEL	2005	EH40 WEL
1,3,5-Trimethylbenzene	108-67-8	100 mg/m ³	TWA	05 2003	EU ELV
		125 mg/m ³	TWA	2005	EH40 WEL
1,2,4-Trimethylbenzene	95-63-6	100 mg/m ³	TWA	05 2003	EU ELV
		125 mg/m ³	TWA	2005	EH40 WEL

Exposure controls

- Engineering measures : Ventilation should be sufficient so that any applicable occupational exposure limits are not exceeded.
- Hygiene measures : Observe normal precautions when handling chemicals. Avoid inhaling vapour. Keep away from foodstuffs, drinks and tobacco.
- Hand protection : Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of: natural latex (thickness \geq 0.75 mm, breakthrough time $>$ 10 min). Avoid gloves made of: butyl rubber, nitrile rubber or neoprene.
- Eye protection : Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

- Form : Liquid
- Colour : White
- Odour : Smell of petroleum

Important Health Safety and Environmental Information

- Vapour pressure (20 °C) : 3.00 hPa
- Relative density (20 °C) : $<$ 0.900
- Solubility/qualitative : Partially miscible with water.
- pH : Not applicable

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Melting point/range	:	< 0 °C
Boiling point/range	:	100 to 200 °C
Relative vapour density	:	4.8000
Flash point	:	44 °C
Ignition temperature	:	230 °C
Lower explosion limit	:	0.6 %(V)
Upper explosion limit	:	8.0 %(V)

10. STABILITY AND REACTIVITY

Stability	:	The product is stable under normal conditions of storage and use.
Conditions and materials to avoid	:	Avoid contact with strong oxidizing agents.
Hazardous decomposition products	:	None

11. TOXICOLOGICAL INFORMATION

Harmful: may cause lung damage if swallowed.
Repeated exposure may cause skin dryness or cracking.

Toxicity data specific for individual ingredients in their pure state:

Acute oral toxicity

• Naphtha (petroleum)	:	LD50 rat	> 2,000 mg/kg
• 1,2,4-Trimethylbenzene	:	LD50 rat	5,000 mg/kg
• 1,3,5-Trimethylbenzene	:	LD50 rat	5,000 mg/kg
• Isopropylbenzene	:	LD50 rat	1,400 mg/kg
• Propylbenzene	:	LD50 rat	6,040 mg/kg
• Xylene	:	LD50 rat	4,300 mg/kg
• Fatty alcohol ethoxylate	:	LD50 rat	2,500 mg/kg

Acute inhalation toxicity

• 1,2,4-Trimethylbenzene	:	LC50 rat	18 mg/l/ 4 h
• 1,3,5-Trimethylbenzene	:	LC50 rat	24 mg/l/ 4 h
• Isopropylbenzene	:	LC50 rat	39 mg/l/ 4 h
• Xylene	:	LC50 rat	6,350 mg/l/ 4 h

Acute dermal toxicity

• Naphtha (petroleum)	:	LD50 rabbit	> 2,000 mg/kg
• Isopropylbenzene	:	LD50 rabbit	10,580 mg/kg
• Xylene	:	LD50 rabbit	4,500 mg/kg

Other information

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Hazard labelling of this preparation: see section 15.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradation

- Xylene : OECD 301D Assessment of biological degradability
25 % after 28 d

Ecotoxicity effects

Ecotoxicity data specific for individual ingredients in their pure state:

Toxicity to fish

- 1,2,4-Trimethylbenzene : Species: Pimephales promelas (fathead minnow)
LC50: 7.7 mg/l/ 96 h
- 1,3,5-Trimethylbenzene : Species: Carassius auratus (goldfish)
LC50: 12.5 mg/l/ 96 h
- Isopropylbenzene : Species: Leuciscus idus (golden orfe)
LC50: 22.5 mg/l/ 48 h
- Xylene : Species: Pimephales promelas (fathead minnow)
LC50: 13.4 mg/l/ 96 h

Toxicity to daphnia

- 1,2,4-Trimethylbenzene : Species: Daphnia magna (water flea)
EC50: 3.6 mg/l/ 48 h
- 1,3,5-Trimethylbenzene : Species: Daphnia magna (water flea)
EC50: 50 mg/l/ 24 h
- Isopropylbenzene : Species: Daphnia magna (water flea)
EC50: 2 mg/l/ 24 h
- Xylene : Species: Daphnia magna (water flea)
EC50: 81 mg/l/ 24 h

Toxicity to algae

- 1,3,5-Trimethylbenzene : Species: Scenedesmus subspicatus (algae)
EC50: > 25 mg/l/ 48 h
- Xylene : Species: Scenedesmus subspicatus (algae)
EC50: 110 mg/l/ 48 h

Toxicity to bacteria

- Isopropylbenzene : Species: Pseudomonas putida (bacteria)
EC10: 245 mg/l/ 24 h
- Xylene : Species: Pseudomonas putida (bacteria)
EC50: 1,000 mg/l/ 15 h

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Environmental regulations, discharge of chemicals and washwater, waste treatment and disposal conditions of chemicals and their packaging may vary from one country to another. The relevant local regulations should be consulted. Do not release into drain. Collect for removal by a licensed waste contractor.

For waste resulting from this product, it is recommended to use European Waste Code : 14 06 03 (other solvents and solvent mixtures).

14. TRANSPORT INFORMATION

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ADR

UN-No : 1300
Proper shipping name : TURPENTINE SUBSTITUTE, MIXTURE
Class : 3
Packing group : III
Classification Code : F1
Labelling No. : 3
Risk No. : 30

RID

UN-No : 1300
Proper shipping name : TURPENTINE SUBSTITUTE, MIXTURE
Class : 3
Packing group : III
Classification Code : F1
Labelling No. : 3
Risk No. : 30

ADNR

UN-No : 1300
Proper shipping name : TURPENTINE SUBSTITUTE, MIXTURE
Class : 3
Packing group : III
Classification Code : F1
Labelling No. : 3

IMO / IMDG

UN-No : 1300
Proper shipping name : TURPENTINE SUBSTITUTE, MIXTURE
Class : 3
Packing group : III
Labelling No. : 3
EmS : F-E, S-E
Marine pollutant : P

ICAO / IATA cargo aircraft only

UN-No : 1300
Proper shipping name : Turpentine substitute, mixture
Class : 3
Packing group : III
Labelling No. : 3
Packing instruction : 310

ICAO / IATA passenger and cargo aircraft

UN-No : 1300
Proper shipping name : Turpentine substitute, mixture
Class : 3
Packing group : III
Labelling No. : 3
Packing instruction : 309

15. REGULATORY INFORMATION

Labelling according to EC Directives

Hazardous components which must be listed on the label :

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• CAS-No.	: 64742-82-1	Naphtha (petroleum)
Symbol(s)	: Xn N	Harmful Dangerous for the environment
R-phrase(s)	: R10 R51/53	Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrase(s)	: R65 R66 S24 S57 S60 S62 S23	Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Avoid contact with skin. Use appropriate container to avoid environmental contamination. This material and its container must be disposed of as hazardous waste. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Do not breathe vapour.

16. OTHER INFORMATION

Section(s) changed compared to the previous issue: 1, 2, 4, 5, 7, 8, 12, 15

Further information

Text of R-phrases referred to under headings 2 and 3:

R10	Flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
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.

This Safety Data Sheet is compiled in accordance with European Directives and corresponding national legislation.

The information disclosed in this Safety Data Sheet is believed to be correct to the best of our current knowledge and experience. It only relates to the specific product designated herein and it may not be valid when said product is used in combination with any other material or in any process, unless specified in the text. This document aims to provide the necessary health and safety information of the product and is not to be considered a warranty or quality specification. It is the responsibility of the user to comply with local legislation relating to safety, health, environment and waste management.