

MATERIAL SAFETY DATA SHEET

2. HAZARDS IDENTIFICATION

Most important hazards :

Irritating to eyes and skin.

Limited evidence of a carcinogenic effect.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Harmful: may cause lung damage if swallowed.

Vapours may cause drowsiness and dizziness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterisation: aqueous solution

Components contributing to hazard:

w/w%	CAS N°	EINECS N°	Components Symb. R-phrases
32-38	64742-94-5	265-198-5	SOLVENT NAPHTA Xn N R:51/53-65-66-67
12-18	111-76-2	203-905-0	2-BUTOXYETHANOL Xn R:20/21/22-36/38
14-16	68187-76-8	269-123-7	SULPHATED CASTER OIL, SODIUM SALT Xi R:36/38
8-12	7732-18-5	231-791-2	WATER - R:-
3-6	64742-81-0	265-184-9	KEROSINE (PETROLEUM), HYDRODESULFURIZED Xn R:65-66
1-3	91-20-3	202-049-5	NAPHTALENE Xn N R:22-40-50/53
1-3	39464-69-2	.	ETHYLENEOXYDE PHOSPHATE ESTER Xi R:36/38
1-2	124-07-2	204-677-5	OCTANOIC ACID C R:34
0-1	95-63-6	202-436-9	1,2,4-TRIMETHYLBENZENE XnN R:10-20-36/37/38-51/53
0-1	108-67-8	203-604-4	MESITYLENE XiN R:10-37-51/53
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4. FIRST AID MEASURES

Eye contact

Irrigate with flowing water immediately and continuously for 15 minutes.
Consult medical personnel.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing

Ingestion

Consult a physician or transport to emergency facility immediately.
Do not induce vomiting. Give large amounts of water or milk if available and transport to medical facility.

Inhalation

Remove to fresh air. Consult a physician.

Further information

None

5. FIRE-FIGHTING MEASURES

5.1. Suitable extinguishing media:

Water.
Water fog, carbon dioxide, foam, dry chemicals.

5.2. Extinguishing media to avoid:

None under normal conditions.

5.3. Further information:

Keep containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

- Wear adequate personal protective equipment, see section 8 (exposure control / personal protection).
- Spills should be contained by and carried with suitable absorbent material and removed from disposal.
- Dispose of according to local and national regulations.
- Prevent from entering into soil, waterways and groundwater.

7. HANDLING AND STORAGE

7.1. Handling

Avoid eye and skin contact. Wash hands and exposed skin before eating, drinking or smoking and after work. Use only in a well ventilated area. Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided. Wear suitable protective clothing, gloves and eye/face protection. Do not consume or store food in the working area.

7.2. Storage

Keep containers tightly closed. Store in a well ventilated, cool, dry area. Storage temperature should be higher than +5°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Exposure limit values (INGREDIENTS INFORMATION)

SOLVENT NAPHTHA	
MAK (Deutschland, TRGS 900)	= 17 ppm - 100 mg/m ³
2-BUTOXYETHANOL	
MAK (Deutschland, TRGS 900)	= 20 ppm - 98 mg/m ³
TLV-TWA	= 25 ppm - 123 mg/m ³
SULPHATED CASTER OIL, SODIUM SALT	
MAK (Deutschland, TRGS 900)	= NAV
TLV-TWA	= NAV
WATER	
TLV-TWA	= NAV
KEROSINE (PETROLEUM), HYDRODESULFURIZED	
TLV-TWA	= NAV
NAPHTHALENE	
MAK (Deutschland, TRGS 900)	= 10 ppm - 50 mg/m ³
ETHYLENEOXYDE PHOSPHATE ESTER	
MAK (Deutschland, TRGS 900)	= NAV
TLV-TWA	= NAV
OCTANOIC ACID	
MAK (Deutschland, TRGS 900)	= NAV
TLV-TWA	= NAV
1,2,4-TRIMETHYLBENZENE	
TLV-TWA	= 25 ppm - 125 mg/m ³
MESITYLENE	
MAK (Deutschland, TRGS 900)	= 100 mg/m ³

8.2. Exposure controls

Respiratory protection: no respiratory protection needed under normal conditions. Good ventilation should be sufficient.

Hand protection: use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the material : natural latex, (thickness >= 0,75 mm, breakthrough time > 10 min).

Avoid gloves made of : nitrile rubber, neoprene.

Eye protection: use chemical safety goggles. Eye wash fountain should be located in immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Emulsion
Colour	: White
pH value (25°C)	: 5,00
Density (20°C) Kg/L	: 0,96
Solubility in water (25°C)	: Emulsion Forming

10. STABILITY AND REACTIVITY

10.1. Conditions to avoid

The product is stable under normal storage conditions.

10.2. Materials to avoid

None.

10.3. Hazardous decomposition products

Formation of CO₂ and CO fumes is possible.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (INGREDIENTS INFORMATION)

SOLVENT NAPHTHA	
LD50 (Oral Rat)	= NAV
2-BUTOXYETHANOL	
LD50 (Oral Rat)	= 470 mg/kg
LD50 (Dermal rabbit)	= 220 mg/kg
LC50 (Inhalation rat)	= 2900 mg/l/4h
SULPHATED CASTER OIL, SODIUM SALT	
LD50 (Oral Rat)	= > 2000 mg/kg
WATER	
LD50 (Oral Rat)	= NAV
KEROSINE (PETROLEUM), HYDRODESULFURIZED	
LD50 (Oral Rat)	= NAV
NAPHTHALENE	
LD50 (Oral Rat)	= NAV
ETHYLENEOXYDE PHOSPHATE ESTER	
LD50 (Oral Rat)	= > 2000 mg/kg
OCTANOIC ACID	
LD50 (Oral Rat)	= 10080 mg/kg
LD50 (Dermal rabbit)	= > 5000 mg/kg
MESITYLENE	
LD50 (Oral Rat)	= NAV

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity (INGREDIENTS INFORMATION)

SOLVENT NAPHTA		
LC50 (Fish, 96 hours)	=	NAv
2-BUTOXYETHANOL		
LC50 (Goldfish, 24h)	=	1650 - 1700 mg/l
LC50 (Bluegill, 96h)	=	1490 mg/l
LC50 (Daphnia magna straus, 24h)	=	1720 mg/l
SULPHATED CASTER OIL, SODIUM SALT		
LC50 (Rainbow trout, 96h)	=	1-10 mg/l
WATER		
LC50 (Fish, 96 hours)	=	NAv
Kerosine (PETROLEUM), HYDRODESULFURIZED		
LC50 (Fish, 96 hours)	=	NAv
NAPHTALENE		
LC50 (Fish, 96 hours)	=	NAv
ETHYLENEOXYDE PHOSPHATE ESTER		
LC50 (Fish, 96 hours)	=	NAv
OCTANOIC ACID		
LC50 (Red kilfish, 96h)	=	57 mg/l
MESITYLENE		
LC50 (Daphnia magna, 24h)	=	50 mg/l

12.2. Mobility

13. DISPOSAL CONSIDERATIONS

Dispose of according to local and national regulations. Containers must be disposed of in accordance with local regulations.
EWC: 09 01 99 Wastes not otherwise specified

14. TRANSPORT INFORMATION

UN N° : 2810

PSN : TOXIC LIQUID, ORGANIC, N.O.S.
(2-Butoxyethanol)

ADR/RID

Class:	6.1	Labels	:6.1	Pack. Group:	III
Tun.Code	:E	TREMc card	:61.2810A-301	Spec. Prov.:	274, 614
Pack. Inst.:	P001, IBC03, LP01, R001	Lim. Quant.:	LQ7		

IMDG

Class:	6.1	Subs. Risk	:NA	Pack. Group:	III
EmS fire:	F-A	EmS Spill.	:S-A	IBC. Inst.:	IBC03
Pack. Inst.:	P001, LP01	Lim. Quant.:	5L	Mar. Poll:	N

ICAO/IATA

Class:	6.1	Subs. Risk	:NA	Pack. Group:	III
Passenger and Cargo Aircraft.		Pkg Inst:	611	Max Net Qty/Pkg:	60L
Cargo Aircraft Only	.	Pkg Inst:	618	Max Net Qty/Pkg:	220L
Ltd Qty	.	Pkg Inst:	2L	Max Net Qty/Pkg:	Y611

15. REGULATORY INFORMATION

EU Classification and User Label Information:

Contains : HEAVY AROMATIC NAPHTA
NAPHTALENE

Symbol(s) : Xn N

R(isk) phrase(s) :

R36/38 : Irritating to eyes and skin.
R40 : Limited evidence of a carcinogenic effect.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 : Harmful: may cause lung damage if swallowed.
R67 : Vapours may cause drowsiness and dizziness.

S(afety) phrase(s) :

S23 : Do not breathe vapour.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37 : Wear suitable protective clothing and gloves.
S57 : Use appropriate container to avoid environmental contamination.
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.

Other information :

WGK: 2

16. OTHER INFORMATION

The use of the preparation is restricted to professional users!

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

Date of issue: 01.10.2005
Supersedes edition of: 01.04.2004

Nav : Not available NA : Not applicable
RISK PHRASES MENTIONED IN PARAGRAPH 3:
R10 : Flammable.
R20 : Harmful by inhalation.
R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.
R22 : Harmful if swallowed.
R34 : Causes burns.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R36/38 : Irritating to eyes and skin.
R37 : Irritating to respiratory system.
R40 : Limited evidence of a carcinogenic effect.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.