

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

MACROBASE INTENSE WHITE

Version 2.21

Revision Date 10.12.2012

Print Date 11.12.2012

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : MACROBASE INTENSE WHITE
Product code : LOMC0000

1.2 Relevant identified uses of the substance or mixture and uses advised against

Chemical nature : Fluid pigmented dispersion

1.3 Details of the supplier of the safety data sheet

Company : Lechler SpA
Via Cecilio 17
22100 Como
Telephone : +39031586111
Telefax : +39031586206
E-mail address : safety@lechler.eu
Responsible/issuing person

1.4 Emergency telephone number

Tel. +39-031-586301 Fax +39-031-586299
This telephone number is available during office hours only (8:00-18:00).

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.
R66: Repeated exposure may cause skin dryness or cracking.
R67: Vapours may cause drowsiness and dizziness.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

R-phrases) : R10 Flammable.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
S-phrases) : S36 Wear suitable protective clothing.
S60 This material and its container must be disposed of as hazardous waste.

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Sensitising components : 2,3-epoxypropyl neodecanoate
May produce an allergic reaction.

2.3 Other hazards

None known.

No hazards resulting from the material as supplied.

The information required is contained in this Material Safety Data Sheet.

3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : Fluid pigmented dispersion

Hazardous components

| Chemical Name | CAS-No. EC-No. Registration number | Classification (67/548/EEC) | Classification (REGULATION (EC) No 1272/2008) | Concentration [%] |
|--|---|--|---|----------------------|
| heptan-2-one | 110-43-0 203-767-1 01- 2119902391- 49 | R10 Xn; R20/22 | Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H302 | < 10 |
| Phosphoric acid polyester (72243- 070628, Germany) | | Xi; R36 | Eye Irrit. 2; H319 | < 10 |
| Low boiling point naphtha - unspecified | 64742-95-6 265-199-0 01- 2119455851- 35 | R10 Xi; R37 N; R51/53 Xn; R65 R66 R67 | Flam. Liq. 3; H226 STOT SE 3; H335, H336 Aquatic Chronic 2; H411 Asp. Tox. 1; H304 | < 2,5 |
| low boiling point hydrogen treated naphtha | 64742-82-1 265-185-4 01- 2119458049- 33 | R10 N; R51/53 Xn; R65 R66 R67 | Flam. Liq. 3; H226 Aquatic Chronic 2; H411 Asp. Tox. 1; H304 STOT SE 3; H336 | < 2,5 |
| Fatty acids, C6-19- branched, zinc salts | 68551-44-0 271-378-4 | Xi; R38 N; R51/53 | Skin Irrit. 2; H315 Aquatic Chronic 2; H411 | < 2,5 |
| 2,3-epoxypropyl neodecanoate | 26761-45-5 247-979-2 01- 2119431597- 33 | R43 N; R51/53 | Skin Sens. 1; H317 Aquatic Chronic 2; H411 | >= 0,1 - < 1 |
| WEL substance : | | | | |
| n-butyl acetate | 123-86-4 204-658-1 01- | R10 R66 R67 | Flam. Liq. 3; H226 STOT SE 3; H336 | >= 15 - < 20 |

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|--|---------------|--|--|--|
| | 2119485493-29 | | | |
|--|---------------|--|--|--|

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

- General advice : When symptoms persist or in all cases of doubt seek medical advice.
Never give anything by mouth to an unconscious person.
- If inhaled : Remove to fresh air.
Keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Do NOT use solvents or thinners.
Put shower on working place
- In case of eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Seek medical advice.
Put eye-washer on working place
Remove contact lenses.
- If swallowed : If accidentally swallowed obtain immediate medical attention.
Do NOT induce vomiting.
Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
Seek medical advice.

5. Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Keep containers and surroundings cool with water spray.

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Unsuitable extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).
Exposure to decomposition products may be a hazard to health.
Cool closed containers exposed to fire with water spray.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Solvent vapours are heavier than air and may spread along floors.
Ensure adequate ventilation.
Use personal protective equipment.
Evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.
Ventilate the area.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Clean with detergents. Avoid solvents.
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Pick up and transfer to properly labelled containers.
Clean contaminated surface thoroughly.
Dam up.
Soak up with inert absorbent material and dispose of as hazardous waste.

6.4 Reference to other sections

Refer to section 15 for specific national regulation.

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7. Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Avoid exceeding of the given occupational exposure limits (see section 8).
Use only in area provided with appropriate exhaust ventilation.
Avoid contact with skin, eyes and clothing.
Smoking, eating and drinking should be prohibited in the application area.
Avoid inhalation of vapour or mist.
For personal protection see section 8.
Thoroughly mix before using
After using, store in a well-sealed container
- Advice on protection against fire and explosion : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.
When transferring from one container to another apply earthing measures and use conductive hose material.
No sparking tools should be used.
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.
No smoking.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Observe label precautions.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Solvent vapours are heavier than air and may spread along floors.
Vapours may form explosive mixtures with air.
Electrical installations / working materials must comply with the technological safety standards.
Keep away from sources of ignition - No smoking.
Store between 5 ° an 35 °C in a dry, well ventilated place away from source of heat, ignition and direct sunlight.
Store in accordance with the particular national regulations.
- Advice on common storage : Keep away from oxidising agents and strongly acid or alkaline materials.

7.3 Specific end uses

- : This information is not available.

8. Exposure controls/personal protection

8.1 Control parameters

| Components | CAS-No. | Value | Control parameters | Update | Basis |
|------------|---------|-------|--------------------|--------|-------|
|------------|---------|-------|--------------------|--------|-------|

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| | | | | | |
|--|----------------|--|----------------------------------|------------|------------|
| n-butyl acetate (Vapour and gas) | 123-86-4 | | 150 ppm 713 mg/m ³ | | |
| | | | 200 ppm 950 mg/m ³ | | |
| heptan-2-one | 110-43-0 | TWA | 50 ppm 238 mg/m ³ | 2000-06-16 | 2000/39/EC |
| Further information | : | skin: Identifies the possibility of significant uptake through the skin Indicative | | | |
| | | STEL | 100 ppm 475 mg/m ³ | 2000-06-16 | 2000/39/EC |
| Further information | : | skin: Identifies the possibility of significant uptake through the skin Indicative | | | |
| Solvent naphtha (petroleum), light arom. | 64742-95- 6 | | 50 ppm 100 mg/m ³ | | |
| Naphtha (petroleum), hydrodesulfuri zed heavy | 64742-82- 1 | | 100 ppm 350 mg/m ³ | | |

DNEL

n-butyl acetate

: End Use: Professional use
Exposure routes: Skin contact
Potential health effects: Local effects
Exposure time: 8 h
Value: 7 ppm

End Use: Professional use
Exposure routes: Inhalation
Potential health effects: Local effects
Value: 48 mg/m³

PNEC

n-butyl acetate

: Water
Value: 0,18 mg/l

Soil
Value: 0,093 mg/kg

8.2 Exposure controls

Personal protective equipment

Respiratory protection : Apply technical measures to comply with the occupational exposure limits.
This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.
If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time.

Hand protection : For prolonged or repeated contact use protective gloves.
Barrier creams may help to protect the exposed areas of skin, they

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should however not be applied once exposure has occurred.
Skin should be washed after contact.
Wash your hands and put on barrier creams

Eye protection : Chemical resistant goggles must be worn.

Skin and body protection : Skin should be washed after contact.
Working clothes must not consist of textiles, which show a dangerous melting behaviour in case of fire.
Personnel should wear protective clothing
Workers should wear antistatic footwear.

Environmental exposure controls

General advice : Try to prevent the material from entering drains or water courses.
If the product contaminates rivers and lakes or drains inform respective authorities.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Flash point : > 23 - 55 °C
Vapour pressure : 1,000 hPa
at 50 °C
Density : 1,5217 g/cm³
Flow time : 75 s
6 mm
Method: ISO/DIN 2431 '84

9.2 Other information

Solids by weight : 78,21 %
Volatile organic compounds (VOC) content : 21,78 %

10. Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Our products were manufactured in compliance with safety standards to avoid decomposition and degrading under the

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defined conditions.

Taking the product type into account, it is advisable to leave the product in its original packaging thus avoiding transferring it.

10.5 Incompatible materials

Materials to avoid : Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

11. Toxicological information

11.1 Information on toxicological effects

Product

Acute inhalation toxicity : Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects., Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system. Symptoms and signs: headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness., Inhalation of airborne droplets may cause irritation of the respiratory tract.

Skin corrosion/irritation : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin., The product may be absorbed through the skin.

Further information : The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Components:

heptan-2-one :

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg, Converted acute toxicity point estimate

12. Ecological information

12.1 Toxicity

Toxicity to fish :
Remarks:
No data is available on the product itself.

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12.2 Persistence and degradability

Biodegradability : Remarks:
no data available

12.3 Bioaccumulative potential

Bioaccumulation : Remarks:
no data available

12.4 Mobility in soil

Mobility : Remarks:
no data available

12.5 Results of PBT and vPvB assessment

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)., This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Additional ecological information : The product contains dangerous substances for the environment (see chapter n° 3).
The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

13. Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

ADR

UN number : 1263
Transport hazard class(es) : 3
Packing group : III
Classification Code : F1
Hazard identification No : 30
Labels : 3
Environmentally hazardous : no

IATA

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UN number : 1263
Description of the goods :
Class : 3
Packing group : III
Labels : 3
Environmentally hazardous : no

IMDG

UN number : 1263
Description of the goods :
Class : 3
Packing group : III
Labels : 3
EmS Number 1 : F - E
EmS Number 2 : S - E

Marine pollutant : no

Special precautions for user :

Packagings smaller or equal to 450 l, transport according to section E of marginal 2301.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Risk classification according to VbF : Exempt
see user defined free text

Water contaminating class (Germany) : highly water endangering
VWVWS A4

Other regulations : The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

15.2 Chemical Safety Assessment

No data is available on the product itself.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

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| | |
|--------|---|
| R10 | Flammable. |
| R20/22 | Harmful by inhalation and if swallowed. |
| R36 | Irritating to eyes. |
| R37 | Irritating to respiratory system. |
| R38 | Irritating to skin. |
| R43 | May cause sensitization by skin contact. |
| 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. |

Full text of H-Statements referred to under sections 2 and 3.

| | |
|------|--|
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |

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