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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : BSB INTENSE WHITE

Product code : L0620000

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

Use of the : Paints, varnishes and enamels

Substance/Mixture

Chemical nature : Mono compound enamel - finish coat

1.3 Details of the supplier of the safety data sheet

Company : Lechler SpA

Via Cecilio 17

22100 Como- CO-

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)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour. Eye irritation, Category 2 H319: Causes serious eye irritation.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction. Specific target organ toxicity - single H336: May cause drowsiness or dizziness.

exposure, Category 3

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 (REGULATION (EC) No 1272/2008)

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Hazard pictograms :





Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066Repeated exposure may cause skin dryness or

cracking.

Precautionary statements : **Prevention:**

P210 Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No

smoking.

P261 Avoid breathing vapours.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing.

Rinse skin with water/shower.

P304 + P340 + P312 IF INHALED: Remove person to fresh

air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if

you feel unwell.

P362 + P364 Take off contaminated clothing and wash it

before reuse.

P370 + P378 In case of fire: Use dry sand, dry chemical

or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

• 123-86-4 n-butyl acetate

• reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-

hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benz

• Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl

1,2,2,6,6-pentamethyl-4-piperidyl sebacate

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Liquid pigmented dispersion

Hazardous components

Chemical Name	CAS-No.	Classification	Classification	Concentration
	EC-No.	(67/548/EEC)	(REGULATION	[%]
	Registration		(EC) No	
	number		1272/2008)	

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				1
xylene	1330-20-7 215-535-7 01- 2119488216- 32	R10 Xn; R20/21 Xi; R38 Nota C	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315	>= 1 - < 5
butan-1-ol	71-36-3 200-751-6 01- 2119484630- 38	R10 Xn; R22 Xi; R37/38-R41 R67	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 STOT SE 3; H335	>= 1 - < 5
reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propiony l-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-benz	400-830-7 01- 0000015075- 76-0017	R43 N; R51/53	Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 0,1 - < 1
Reaction mass of Bis(1,2,2,6,6- pentamethyl-4- piperidyl) sebacate and Methyl 1,2,2,6,6- pentamethyl-4-piperidyl sebacate	01- 2119491304- 40-0000	R43 N; R50/53	Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,1 - < 0,25
Substances with a work	olace exposure l	imit :		
titanium dioxide	13463-67-7 236-675-5 01- 2119489379- 17			>= 30 - < 50
n-butyl acetate	123-86-4 204-658-1 01- 2119485493- 29	R10 R66 R67	EUH066 Flam. Liq. 3; H226 STOT SE 3; H336	>= 25 - < 30
1-methoxy-2-propanol	107-98-2 203-539-1 01- 2119457435- 35	R10 R67	Flam. Liq. 3; H226 STOT SE 3; H336	>= 5 - < 10
2-methoxy-1- methylethyl acetate	108-65-6 203-603-9 01- 2119475791- 29	R10	Flam. Liq. 3; H226	>= 1 - < 5

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.

SECTION 4: First aid measures

4.1 Description of first aid measures

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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.

SECTION 5: Firefighting 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.

Unsuitable extinguishing

media

: Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

: 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

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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 firefighters

: Wear self-contained breathing apparatus for firefighting if

necessary.

SECTION 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.

SECTION 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.

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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 use(s)

: This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
titanium	13463-67-	TWA			ACGIH
dioxide	7		10 mg/m3		
(airborne, unbound					
particles of					
respirable					
size)					
n-butyl acetate	123-86-4	TWA	150 ppm		ACGIH
			713 mg/m3		
		STEL	200 ppm		ACGIH
			950 mg/m3		
1-	107-98-2	TWA	100 ppm	2000-06-16	2000/39/EC
methoxypropa			375 mg/m3		
n-2-ol					

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Further information	: skin: Iden	tifies the pos	sibility of significant	uptake through the skin	Indicative
		STEL	150 ppm 568 mg/m3	2000-06-16	2000/39/EC
Further information	: skin: Iden	tifies the pos	sibility of significant	uptake through the skin	Indicative
2-methoxy-1- methylethyl acetate	108-65-6	TWA	50 ppm 275 mg/m3	2000-06-16	2000/39/EC
Further information	: skin: Iden	tifies the pos	sibility of significant	uptake through the skin	Indicative
		STEL	100 ppm 550 mg/m3	2000-06-16	2000/39/EC
Further information	: skin: Iden	: skin: Identifies the possibility of significant uptake through the skinIndicative			
xylenes	1330-20-7	TWA	50 ppm 221 mg/m3	2000-06-16	2000/39/EC
Further information	: skin: Iden	tifies the pos	sibility of significant	uptake through the skin	Indicative
		STEL	100 ppm 442 mg/m3	2000-06-16	2000/39/EC
Further information	: skin: Iden	: skin: Identifies the possibility of significant uptake through the skinIndicative			
butan-1-ol	71-36-3	TWA	20 ppm		ACGIH

DNEL

titanium dioxide : End Use: Workers

Exposure routes: Inhalation

Potential health effects: Local effects

Value: 10 mg/m3

End Use: Consumers Exposure routes: Ingestion

Potential health effects: Specific effects

Value: 700 ppm

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

titanium dioxide : Fresh water

Value: > 1 mg/l

Fresh water sediment Value: >= 1000 mg/kg

Marine water Value: 0,127 mg/l

Marine sediment Value: >= 100 mg/kg

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Soil

Value: 100 mg/kg

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.

Respirator with combination filter for vapour/particulate (EN 141).

Hand protection : Solvent-resistant gloves (butyl-rubber)

For prolonged or repeated contact use protective gloves.

Protective gloves complying with EN 374.

Please observe the instructions regarding permeability and

breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and

the contact time.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE

approved gloves.

Barrier creams may help to protect the exposed areas of skin, they 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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

according to Regulation (EC) No. 453/2010

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Appearance : liquid

Odour : solvent-like

Flash point > 23 - 55 °C

Ignition temperature : not determined

Lower explosion limit : No data available

Upper explosion limit : No data available

Auto-ignition temperature : not applicable

: not determined pΗ

Freezing point : not applicable

Boiling point : not determined

: 1,000 hPa Vapour pressure

at 50 °C

Density : 1,3324 g/cm3

Water solubility : not determined

Partition coefficient: n-

octanol/water

: No data available

Solubility in other solvents : not determined

Flow time : 80 s

Method: ISO/DIN 2431 '84

Relative vapour density : not applicable

: not determined Evaporation rate

9.2 Other information

Solids by weight : 54,53 %

Volatile organic compounds : 45,47 %

(VOC) content

SECTION 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

according to Regulation (EC) No. 453/2010

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Conditions to avoid : Our products were manufactured in compliance with safety

standards to avoid decomposition and degrading under the

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 (NOx), dense black smoke.

Thermal decomposition : not applicable

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg, Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l, 4 h, vapour, Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg, Calculation method

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:

xvlene:

Acute dermal toxicity : Acute toxicity estimate: 1.100 mg/kg, Converted acute toxicity point

estimate

butan-1-ol:

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

estimate

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate :

Acute oral toxicity : LD50: 3.230 mg/kg, rat

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SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish

Remarks:

No data is available on the product itself.

Toxicity to fish

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-

piperidyl) sebacate and

Methyl 1,2,2,6,6pentamethyl-4-piperidyl

sebacate

: LC50: 0,97 mg/l Exposure time: 96 h

Species: Lepomis macrochirus (Bluegill sunfish)

Method: OECD Test Guideline 203

LC50: 7,9 mg/l Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)

Method: OECD Test Guideline 203

LC50: 0,9 mg/l Exposure time: 96 h

Species: Brachydanio rerio (zebrafish)

semi-static test Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

Reaction mass of : Bis(1,2,2,6,6-pentamethyl-4-

piperidyl) sebacate and Methyl 1,2,2,6,6pentamethyl-4-piperidyl

sebacate

: NOEC: 1 mg/l Exposure time: 21 d

> Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

12.2 Persistence and degradability

Biodegradability : No data available

12.3 Bioaccumulative potential

Bioaccumulation : No data available

12.4 Mobility in soil

Mobility : No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

according to Regulation (EC) No. 453/2010

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Additional ecological

information

: The product contains dangerous substances for the

environment (see chapter no 3).

The concentration of each substance should be borne in mind

in assessing the toxicological effects deriving from the

preparation.

SECTION 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.

According to the European Waste Catalogue, Waste Codes

are not product specific, but application specific.

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. The following Waste Codes are only suggestions: 150110*

SECTION 14: Transport information

14.1 UN number

ADR : UN 1263

IMDG : UN 1263

IATA : UN 1263

14.2 Proper shipping name

ADR PAINT

IMDG PAINT

IATA Paint

14.3 Transport hazard class(es)

ADR : 3

IMDG : 3

IATA : 3

14.4 Packing group

ADR

Classification Code

according to Regulation (EC) No. 453/2010

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: F1

Packing group : III

Hazard Identification Number : 30

Labels : 3

IMDG

Packing group : III

Labels : 3

EmS Code : F - E, S - E

IATA

Packing group : III

Labels : 3

14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

IATA

Environmentally hazardous : no

14.6 Special precautions for user

Remarks : Packagings smaller or equal to 450 l, transport according to section

E of marginal 2301.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High

Concern for Authorisation

(Article 59).

: not applicable

MAL-Code-Number (DK) : 4-3 (1993)

1.678-m3 air/10 g

Risk classification according

: Exempt

to VbF

see user defined free text

Water contaminating class : slightly water endangering

according to Regulation (EC) No. 453/2010

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(Germany) VWVWS A4

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

The product is classified and labelled in accordance with Directive 1999/45/EC.

15.2 Chemical Safety Assessment

No data is available on the product itself.

SECTION 16: Other information

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

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
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.
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.

EUH066	Repeated exposure may cause skin dryness or cracking.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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.