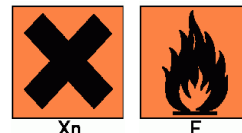


Safety Data Sheet

SETALUX MATT BIANCO



Safety Data Sheet dated 15/3/2011, version 1

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

1.1 Product Identifier

Mixture identification:

Trade name: SETALUX MATT BIANCO

Trade code: 1745MA00

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

Product type and use: varnishing product

1.3 Details of the supplier of the safety data sheet

Supplier:

INVEBI international sas 21040 Orago (VA) - ITALY - Via varesina 78/B - tel. 39-331-218018/217004 - fax 39-331-216484

Competent person responsible for the safety data sheet:

lab@invebi.it

1.4 Emergency telephone number

INVEBI international sas tel. 39-0331-218018/217004 Fax. +39-0331-216484

Poison Centre - Ospedale di Niguarda - Milan - Tel. 02/66101029

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

F Highly flammable

Xn Harmful

Xi Irritant

R Phrases:

R11 Highly flammable.

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

R65 Harmful: may cause lung damage if swallowed.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2 Label elements



Symbols:

Xn Harmful

F Highly flammable

R Phrases:

R11 Highly flammable.

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

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R65 Harmful: may cause lung damage if swallowed.

S Phrases:

S16 Keep away from sources of ignition - No smoking.

S23 Do not breathe gas/vapour

S25 Avoid contact with eyes.

S36/37 Wear suitable protective clothing and gloves.

S43 In case of fire, use: dust chemistry, foam, carbonic anhydride.

S9 Keep container in a well-ventilated place.

Contents:

o-xylene

2.3 Other hazards

Other Hazards:

No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

N.A.


3.2 Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and corresponding classification:


30% - 40% o-xylene

N.67/548/EEC: 601-022-00-9 CAS: 1330-20-7 EC: 215-535-7

Xn, Xi; R10-20/21-38

 2.6/3 Flam. Liq. 3 H226

 3.2/2 Skin Irrit. 2 H315


 3.1/4/Dermal Acute Tox. 4 H312

 3.1/4/Inhal Acute Tox. 4 H332

5% - 7% acetone; propan-2-one; propanone

N.67/548/EEC: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2

F, Xi; R11-36-66-67

 2.6/2 Flam. Liq. 2 H225


 3.3/2 Eye Irrit. 2 H319

 3.8/3 STOT SE 3 H336


1% - 3% toluene

N.67/548/EEC: 601-021-00-3 CAS: 108-88-3 EC: 203-625-9

F, Xn, Xi; R11-38-48/20-63-65-67

 2.6/2 Flam. Liq. 2 H225

 3.7/2 Repr. 2 H361

 3.10/1 Asp. Tox. 1 H304

 3.9/2 STOT RE 2 H373

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 3.2/2 Skin Irrit. 2 H315

 3.8/3 STOT SE 3 H336

0.25% - 0.5% ethyl acetate

N.67/548/EEC: 607-022-00-5 CAS: 141-78-6 EC: 205-500-4

F,Xi; R11-36-66-67

 2.6/2 Flam. Liq. 2 H225

 3.3/2 Eye Irrit. 2 H319

 3.8/3 STOT SE 3 H336

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the toxin must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do NOT induce vomiting.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

If breathing is irregular or stopped, administer artificial respiration.

In case of inhalation, consult a doctor immediately and show him packing or label.

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

CO₂ or Dry chemical fire extinguisher.

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

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5.3 Advice for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3 Methods and material for containment and cleaning up

Wash with plenty of water.

6.4 Reference to other sections

See also section 8 and 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid contact with skin and eyes, inhalation of vapours and mists.

Use localized ventilation system.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3 Specific end use(s)

None in particular

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

o-xylene - Index: 601-022-00-9, CAS: 1330-20-7, EC No: 215-535-7

VLE 8h: ppm 50 - mg/m³ 221 ,Skin

VLE short: ppm 100 - mg/m³ 442 ,Skin

TLV-TWA: ppm 100 ,A4

TLV-STEL: ppm 150 ,A4

acetone; propan-2-one; propanone - Index: 606-001-00-8, CAS: 67-64-1, EC No: 200-662-2

VLE 8h: ppm 200 - mg/m³ 600

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VLE short: ppm 300 mg/m³ 900

TLV-TWA: ppm 200

TLV-STEL: ppm 300

toluene - Index: 601-021-00-3, CAS: 108-88-3, EC No: 203-625-9

VLE 8h: ppm 50 mg/m³ 192 ,Skin

VLE short: ppm 100 mg/m³ 384 ,Skin

TLV-TWA: ppm 50 ,Skin A4

TLV-STEL: Skin A4

ethyl acetate - Index: 607-022-00-5, CAS: 141-78-6, EC No: 205-500-4

TLV-TWA: ppm 400

8.2 Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

Thermal Hazards:

None

Environmental exposure controls:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance and colour:	white liquid	
Odour:	solvente	
Odour threshold:	N.A.	
Viscosity:	F4 55"	
Solid content:	RS 60%	
Specific weight:	1.4	
Solid/gas flammability:	N.A.	
Upper/lower flammability or explosive limits:		N.A.
Vapour density:	N.A.	
Flash point:	-4°C	
Evaporation rate:	N.A.	
Vapour pressure:	N.A.	
Relative density:	N.A.	
Solubility in water:	No	
Lipid solubility:	N.A.	
Partition coefficient (n-octanol/water):	N.A.	
Auto-ignition temperature:	N.A.	
Explosive properties:	N.A.	
Oxidizing properties:	N.A.	

9.2 Other information

Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.

10. STABILITY AND REACTIVITY

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10.1 Reactivity

Stable under normal conditions

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid:

Stable under normal conditions.

10.5 Incompatible materials:

Avoid contact with combustible materials. The product could catch fire.

10.6 Hazardous decomposition products:

None.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

Toxicological information on main components of the mixture:

o-xylene - Index: 601-022-00-9, CAS: 1330-20-7, EC No: 215-535-7

OBSERVATIONS ON HUMAN SUBJECTS NON-PROFESSIONAL EXPOSURE -

Effects following acute exposure:

Symptoms of intense exposure are: dermatitis, eczema, irritation to the eyes and to the respiratory tract.

Inhaling the vapours can cause dizziness, headache, nausea, incoordination, excitability, narcosis, anaemia, and paraesthesia of the hands and feet.

PROFESSIONAL EXPOSURE - Effects following acute exposure:

Narcotic at high concentrations.

Irritation through inhalation at 200 ppm (TCLo). Inhalation of 200 ppm has irritating effects in human subjects.

Human subject (oral)(LDLo): 50 mg/kg.

Inhalatory human subject (LCLo) 10000 ppm/6h.

acetone; propan-2-one; propanone - Index: 606-001-00-8, CAS: 67-64-1, EC No: 200-662-2

OBSERVATIONS ON HUMAN SUBJECTS:

Acetone's routes of entry to the body are skin absorption, swallowing and, especially, inhalation. It is eliminated through the lungs (40-70%), in urine (15-30%), and through the skin (10%). Tests carried out with C14 have demonstrated that acetone takes part as an intermediary in the metabolism of lipids and indirectly in the glycolic cycle. Trials on human subjects have demonstrated that it is impossible to inhale concentrations of 22 mg/l (9300 ppm) for more than 5 minutes owing to throat irritation. Subjects exposed to 500 ppm of acetone have displayed irritation to the eyes, throat, and nose.

Concentrations > 300 ppm cause: slight irritation to the mucous membranes.

Concentrations = 800 ppm (30') cause: malaise.

DL (oral, estimated) = 50 ml

toluene - Index: 601-021-00-3, CAS: 108-88-3, EC No: 203-625-9

OBSERVATIONS ON HUMAN SUBJECTS - NON-PROFESSIONAL EXPOSURE

Effects following acute exposure:

At 200 ppm: mild but definite decrease in co-ordination and in reaction time, fatigue, confusion, paraesthesia of the skin; the fatigue lasted over a number of hours together with mild insomnia.

At 400 ppm: worsening of symptoms and mental confusion.

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12. ECOLOGICAL INFORMATION

- 12.1 Toxicity
Adopt sound working practices, so that the product is not released into the environment.
- 12.2 Persistence and degradability
None
- 12.3 Bioaccumulative potential
N.A.
- 12.4 Mobility in soil
N.A.
- 12.5 Results of PBT and vPvB assessment
- 12.6 Other adverse effects
None

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

- 14.1 UN number:
ADR-UN Number: 1263
IATA-UN Number: 1263
IMDG-UN Number: 1263
- 14.2 UN proper shipping name:
ADR-Shipping Name: PAINT or PAINT RELATED MATERIAL
IATA-Shipping Name: PAINT or PAINT RELATED MATERIAL
IMDG-Shipping Name: PAINT or PAINT RELATED MATERIAL
- 14.3 Transport hazard class(es):
ADR-Class: 3
- ADR-HI number: 33
IATA-Class: 3
IATA-Label: Flamm. Liquid
IMDG-Class: 3
Sea (IMO): 3,3 UN 1263 pag. 3372 RINA 3 C21
- 14.4 Packing Group:
ADR-Packing Group: II
IATA-Packing group: II
IMDG-Packing group: II
- 14.5 Environmental hazards
IMDG-Marine pollutant: No
- 14.6 Special Precautions for User



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ADR-S.P.: 640D
IATA-Passenger Aircraft: 305
IATA-Cargo Aircraft: 307
IATA-S.P.: A72
IATA-ERG: 3L

IMDG-EmS: F-E , S-E

IMDG-Storage category: B
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Environmental Pollutant:
No

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

UE(dir 2004/42/CE) Pronto all'Uso / Ready to use
Volatile Organic compounds - VOCs = 40.82 %
Volatile Organic compounds - VOCs = 571.45 g/l

Volatile CMR substances = 0.00 %
Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %
Organic Carbon - C = 0.35

Where applicable, refer to the following regulatory provisions :

Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments.

Regulation (EC) nr 648/2004 (detergents).

1999/13/EC (VOC directive)

15.2 Chemical Safety Assessment
No

16. OTHER INFORMATION

Text of phrases referred to under heading 3:

R10 Flammable.

R11 Highly flammable.

R20/21 Harmful by inhalation and in contact with skin.

R36 Irritating to eyes.

R38 Irritating to skin.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63 Possible risk of harm to the unborn child

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H312 Harmful in contact with skin.

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H332 Harmful if inhaled.
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H304 May be fatal if swallowed and enters airways.
H373 May cause damage to organs through prolonged or repeated exposure.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

CCNL - Appendix 1 "TLV for 1989-90"

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.