



## Safety Data Sheet

### IMW4420 - Impregnante WB Larice per latifoglie

Safety Data Sheet dated 3/2/2016, version 4

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

- 1.1. Product identifier  
Mixture identification:  
Trade name: Impregnante WB Larice per latifoglie  
Trade code: IMW4420
- 1.2. Relevant identified uses of the substance or mixture and uses advised against  
Recommended use: Surface coating  
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- 1.3. Details of the supplier of the safety data sheet  
Company:  
  
Sirca S.p.A.  
Address:  
Viale Roma, 85  
35010 S. Dono di Massanzago (PD) - ITALY  
Tel. +39 0499322311  
Competent person responsible for the safety data sheet:  
safety@sirca.it
- 1.4. Emergency telephone number  
  
Sirca S.p.A. +39 049 9322311 (08.00 - 17.00) From Monday to Friday

#### SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture  
EC regulation criteria 1272/2008 (CLP):  
Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.  
Adverse physicochemical, human health and environmental effects:  
No other hazards known
- 2.2. Label elements  
Hazard pictograms:  
None  
Hazard statements:  
H412 Harmful to aquatic life with long lasting effects.  
Precautionary statements:  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with applicable regulations.
- Special Provisions:  
None
- Contents:  
3-Iodo-2-propynylbutylcarbamate: May produce an allergic reaction.  
1,2-benzisothiazol-3(2H)-one: May produce an allergic reaction.  
5-chloro-2-methyl-3(2H)-isothiazolone with 2-methyl-3(2H)-isothiazolone: May produce an allergic reaction.
- Special provisions according to Annex XVII of REACH and subsequent amendments:  
None
- 2.3. Other hazards  
  
Other Hazards:  
No other hazards known

#### SECTION 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 related classification:  
≥ 2.5% - < 3% alcohols C9-C11ethoxylate, propoxylate (polymers)  
CAS: Reserved  
⚠ 3.1/4/Oral Acute Tox. 4 H302  
⚠ 3.3/2 Eye Irrit. 2 H319
- ≥ 0.25% - < 0.5% (2-Methoxymethylethoxy)propanol  
REACH No.: 01-2119450011-60-xxxx, CAS: 34590-94-8, EC: 252-104-2  
substance with a Community workplace exposure limit

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- >= 0.25% - < 0.5% 3-Iodo-2-propynylbutylcarbamate  
Index number: 616-212-00-7, CAS: 55406-53-6, EC: 259-627-5
- ☠ 3.1/3/Inhal Acute Tox. 3 H331
  - ☠ 3.1/4/Oral Acute Tox. 4 H302
  - ☠ 3.9/1 STOT RE 1 H372
  - ☠ 3.3/1 Eye Dam. 1 H318
  - ☠ 3.4.2/1 Skin Sens. 1 H317
  - ☠ 4.1/A1 Aquatic Acute 1 H400 M=10.
  - ☠ 4.1/C1 Aquatic Chronic 1 H410 M=1.
- >= 0.0015% - < 0.05% 1,2-benzisothiazol-3(2H)-one  
Index number: 613-088-00-6, CAS: 2634-33-5, EC: 220-120-9
- ☠ 3.2/2 Skin Irrit. 2 H315
  - ☠ 3.3/1 Eye Dam. 1 H318
  - ☠ 3.4.1/1 Resp. Sens. 1 H334
  - ☠ 4.1/A1 Aquatic Acute 1 H400
  - ☠ 3.1/4/Oral Acute Tox. 4 H302
- < 0.0015% 5-chloro-2-methyl-3(2H)-isothiazolone with 2-methyl-3(2H)-isothiazolone  
Index number: 613-167-00-5, CAS: 55965-84-9
- ☠ 3.1/3/Oral Acute Tox. 3 H301
  - ☠ 3.1/3/Dermal Acute Tox. 3 H311
  - ☠ 3.1/3/Inhal Acute Tox. 3 H331
  - ☠ 3.2/1B Skin Corr. 1B H314
  - ☠ 3.4.2/1 Skin Sens. 1 H317
  - ☠ 4.1/A1 Aquatic Acute 1 H400 M=10.
  - ☠ 4.1/C1 Aquatic Chronic 1 H410 M=1.

#### SECTION 4: First aid measures

- 4.1. Description of first aid measures  
In case of skin contact:  
Wash with plenty of water and soap.
- 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:  
Induce vomiting only on doctor's advice
- In case of Inhalation:  
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  
Contact a poisons centre
- 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).

#### SECTION 5: Firefighting measures

- 5.1. Extinguishing media  
Suitable extinguishing media:  
Water.  
Carbon dioxide (CO2).  
Extinguishing media which must not be used for safety reasons:  
None in particular.
- 5.2. Special hazards arising from the substance or mixture  
Combustion may liberate toxic or very toxic gases. Do not breathe fumes.  
Do not inhale explosion and combustion gases.  
Burning produces heavy smoke.
- 5.3. Advice for firefighters  
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.

#### SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures  
Wear personal protection equipment.  
Remove persons to safety.  
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



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- 6.3. Methods and material for containment and cleaning up  
Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.  
After the product has been recovered, rinse the area and materials involved with water.
- 6.4. Reference to other sections  
See also section 8 and 13

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#### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
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.  
Do not smoke while working.  
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities  
Keep away from food, drink and feed.  
Incompatible materials:  
None in particular.  
Instructions as regards storage premises:  
Adequately ventilated premises.  
Keep from freezing
- 7.3. Specific end use(s)  
No further recommendations. Refer to point 1.2

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#### SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters  
(2-Methoxymethylethoxy)propanol - CAS: 34590-94-8  
(OEL (IT)) - LTE(8h): 308 mg/m<sup>3</sup>, 50 ppm - Behaviour: Binding - Notes: pelle  
EU - LTE(8h): 308 mg/m<sup>3</sup>, 50 ppm - Notes: Skin  
ACGIH - LTE: 606 mg/m<sup>3</sup>
- DNEL Exposure Limit Values  
N.A.
- PNEC Exposure Limit Values  
N.A.
- 8.2. Exposure controls
- Eye protection:  
Not needed for normal use. Anyway, operate according good working practices.
- Protection for skin:  
Not needed for normal use. Work, in any case, in accordance with good practices of industrial hygiene.
- Protection for hands:  
Not needed for normal use. Work, in any case, in accordance with good practices of industrial hygiene.
- Respiratory protection:  
Use adequate protective respiratory equipment, e.g. A2 or A2P2 or A2P3.
- Thermal Hazards:  
None known
- Environmental exposure controls:  
None known
- Appropriate engineering controls:  
None

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#### SECTION 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties
- |   |                            |
|---|----------------------------|
| Appearance and colour:                        | liquid                     |
| Odour:  | characteristic             |
| Odour threshold:                              | N.A.                       |
| pH:   | N.A.                       |
| Melting point / freezing point:               | < 1°C                      |
| Initial boiling point and boiling range:      | > 55°C                     |
| Solid/gas flammability:                       | N.A.                       |
| Upper/lower flammability or explosive limits: | N.A.                       |
| Vapour density:                               | N.A.                       |
| Flash point:                                  | other ( ≥ 60°C ; > 140°F ) |
| Evaporation rate:                             | N.A.                       |
| Vapour pressure:                              | N.A.                       |
| Relative density:                             | 1.0100 Kg/l a 20°C         |
| Solubility in water:                          | N.A.                       |
| Solubility in oil:                            | N.A.                       |
| Partition coefficient (n-octanol/water):      | N.A.                       |
| Auto-ignition temperature:                    | > 250°C                    |
| Decomposition temperature:                    | N.A.                       |
| Viscosity (typical value):                    | 47.00 " Din cup # 2        |

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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.

#### SECTION 10: Stability and reactivity

- 10.1. Reactivity
  - Stable under normal conditions
- 10.2. Chemical stability
  - Stable under normal conditions
- 10.3. Possibility of hazardous reactions
  - No dangerous reaction is stored and used appropriately.
- 10.4. Conditions to avoid
  - Stable under normal conditions.
- 10.5. Incompatible materials
  - None in particular.
- 10.6. Hazardous decomposition products
  - vapours potentially dangerous to health may be released.

#### SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
  - Toxicological information of the mixture:
    - N.A.
  - Toxicological information of the main substances found in the mixture:
    - alcohols C9-C11ethoxylate, propoxylate (polymers) - CAS: Reserved
      - a) acute toxicity:
        - Test: LD50 - Route: Oral - Species: Rat > 500 mg/kg
      - c) serious eye damage/irritation:
        - Test: Eye Irritant - Species: Rabbit Positive
    - (2-Methoxymethylethoxy)propanol - CAS: 34590-94-8
      - a) acute toxicity:
        - Test: LC50 - Route: Inhalation - Species: Rat > 275 Ppm - Duration: 7h
        - Test: LC50 - Route: Oral - Species: Rat > 5000 mg/kg
        - Test: LD50 - Route: Skin - Species: Rabbit > 19020 mg/kg
      - 3-Iodo-2-propynylbutylcarbamate - CAS: 55406-53-6
        - a) acute toxicity:
          - Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
          - Test: LD50 - Route: Skin - Species: Rat = 1470 mg/kg
          - Test: LD50 - Route: Oral - Species: Rat Female = 1056 mg/kg
          - Test: LD50 - Route: Oral - Species: Rat male = 1795 mg/kg
        - b) skin corrosion/irritation:
          - Test: Eye Irritant - Species: Rabbit Yes
          - Test: Skin Irritant - Species: Rabbit Yes
        - d) respiratory or skin sensitisation:
          - Test: Skin Sensitization - Species: Cavia porcellus Yes
        - e) germ cell mutagenicity:
          - Test: Mutagenesis - Species: Generic Bacteria Negative
      - 1,2-benzisothiazol-3(2H)-one - CAS: 2634-33-5
        - a) acute toxicity:
          - Test: LD50 - Route: Oral - Species: Rat = 1193 mg/kg
          - Test: LD50 - Route: Skin - Species: Rat = 4115 mg/kg
        - 5-chloro-2-methyl-3(2H)-isothiazolone with 2-methyl-3(2H)-isothiazolone - CAS: 55965-84-9
          - a) acute toxicity:
            - Test: LC50 - Route: Inhalation - Species: Rat = 0.31 mg/l - Duration: 4h - Notes: aerosol
            - Test: LD50 - Route: Skin - Species: Rabbit = 660 mg/kg
            - Test: LD50 - Route: Oral - Species: Rat = 457 mg/kg
          - b) skin corrosion/irritation:
            - Test: Skin Corrosive - Species: Rabbit Yes
          - c) serious eye damage/irritation:
            - Test: Eye Corrosive - Species: Rabbit Yes
          - d) respiratory or skin sensitisation:
            - Test: Skin Sensitization - Route: Skin - Species: Cavia porcellus Yes
            - Test: Inhalation Sensitization - Route: Inhalation - Species: Cavia porcellus Yes

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;

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- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

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#### SECTION 12: Ecological information

##### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

alcohols C9-C11ethoxylate, propoxylate (polymers) - CAS: Reserved

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 17.7 mg/l - Duration h: 48 - Notes: OECD - linea guida 202, parte1, statico

(2-Methoxymethylethoxy)propanol - CAS: 34590-94-8

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae > 969 mg/l - Duration h: 96

Endpoint: LC50 - Species: Fish > 10000 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia = 1919 mg/l - Duration h: 48

3-Iodo-2-propynylbutylcarbamate - CAS: 55406-53-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 0.16 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.022 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 0.067 mg/l - Duration h: 96

Endpoint: NOEC - Species: Algae 0.0046 mg/l - Duration h: 72

1,2-benzisothiazol-3(2H)-one - CAS: 2634-33-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 2.18 mg/l - Duration h: 96

Endpoint: LC50 - Species: Daphnia = 2.94 mg/l - Duration h: 48

Endpoint: ErC50 - Species: Algae = 0.11 mg/l - Duration h: 72

5-chloro-2-methyl-3(2H)-isothiazolone with 2-methyl-3(2H)-isothiazolone - CAS: 55965-84-9

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.19 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 0.16 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 0.027 mg/l - Duration h: 72

##### 12.2. Persistence and degradability

None known

N.A.

##### 12.3. Bioaccumulative potential

N.A.

##### 12.4. Mobility in soil

N.A.

##### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

##### 12.6. Other adverse effects

None known

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#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC, 94/62/EC and subsequent amendments.

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#### SECTION 14: Transport information

##### 14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

##### 14.2. UN proper shipping name

N.A.

##### 14.3. Transport hazard class(es)

N.A.

##### 14.4. Packing group

N.A.

##### 14.5. Environmental hazards

N.A.

##### 14.6. Special precautions for user

N.A.

##### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No

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#### SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Regulation (EC) n. 1907/2006 (REACH)



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Regulation (EC) n. 1272/2008 (CLP)  
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013  
Regulation (EU) 2015/830  
Regulation (EU) n. 286/2011 (ATP 2 CLP)  
Regulation (EU) n. 618/2012 (ATP 3 CLP)  
Regulation (EU) n. 487/2013 (ATP 4 CLP)  
Regulation (EU) n. 944/2013 (ATP 5 CLP)  
Regulation (EU) n. 605/2014 (ATP 6 CLP)  
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

None

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).

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

1999/13/EC (VOC directive)

Directive 1999/13/CE

Total Volatile Organic Compounds (typical value):	4 %	
Total Volatile Organic Carbon (typical value):		1.8 %
Total amount of water	81.9 - 85.1 %	
Total solids content:	12.2 - 12.6 %	

#### 15.2. Chemical safety assessment

No

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#### SECTION 16: Other information

Text of phrases referred to under heading 3:

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

Paragraphs modified from the previous revision:

2. HAZARDS IDENTIFICATION

SECTION 3: Composition/information on ingredients

SECTION 5: Firefighting measures

SECTION 8: Exposure controls/personal protection

SECTION 11: Toxicological information

SECTION 12: Ecological information

SECTION 15: Regulatory information

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

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eighth Edition - Van Nostrand Reinold

ACGIH - Threshold Limit Values - 2004 edition

#### RESTRICTED TO PROFESSIONAL USERS

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.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.



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ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.
N.A.:	N.A.
N.D.:	