Safety Data Sheet
Impregnator for coniferous

Safety Data Sheet dated 5/27/2014, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:
Trade name: Impregnator for coniferous
Other means of identification: Trade code: 6IMW9000

Recommended use of the chemical and restrictions on use
Recommended use: Surface coating
Restrictions on use: None

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party
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

Emergency phone number
Sirca S.p.A. +39 049 9322311 (08.00 - 17.00) Rome Time - from Monday to Friday

2. HAZARD(S) IDENTIFICATION

Classification of the chemical

Warning, Eye Irrit. 2A, Causes serious eye irritation.
Warning, Skin Sens. 1, May cause an allergic skin reaction.

Label elements

Symbols:

Warning

Hazard statements:
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements:
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash ... Thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:
None

Hazards not otherwise classified identified during the classification process:
None

Ingredient(s) with unknown acute toxicity:
None.

Additional classification information
3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances
N.A.

Mixtures
Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

\[ >= 2\% - < 2.5\% \text{ 4-hydroxy-2,2,6,6-tetramethylpiperidinoxyl} \]
REACH No.: 01-2119968566-20-xxxx, CAS: 2226-96-2, EC: 218-760-9

A.1/4/Oral Acute Tox. 4 H302
A.3/1 Eye Dam. 1 H318
US-HAE/C3 Aquatic Chronic 3 H412

\[ >= 1\% - < 2\% \text{ 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve} \]
REACH No.: 01-2119475108-36-xxxx, Index number: 603-014-00-0, CAS: 111-76-2, EC: 203-905-0

A.3/2A Eye Irrit. 2A H319
A.2/2 Skin Irrit. 2 H315
A.1/4/Oral Acute Tox. 4 H302
A.1/4/Dermal Acute Tox. 4 H312
A.1/4/Inhal Acute Tox. 4 H332

\[ >= 0.5\% - < 1\% \text{ 3-iodo-2-propynylbutylcarbamate} \]
CAS: 55406-53-6, EC: 259-627-5

A.1/4/Inhal Acute Tox. 4 H332
A.8/3 STOT SE 3 H335
A.1/4/Oral Acute Tox. 4 H302
A.3/1 Eye Dam. 1 H318
A.4.2/1 Skin Sens. 1 H317
4. FIRST-AID MEASURES

Description of necessary 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 product 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.
- After contact with skin, wash immediately with soap and plenty of water.

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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:
- Remove casualty to fresh air and keep warm and at rest.
- Most important symptoms/effects, acute and delayed
  - None
- Indication of 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

Suitable extinguishing media:
- Water.
- Carbon dioxide (CO2).

Unsuitable extinguishing media:
- None in particular.

Specific hazards arising from the chemical
- Do not inhale explosion and combustion gases.
- Burning produces heavy smoke.

Hazardous combustion products:
- None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions 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

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.
- Remove persons to safety.
- Use appropriate respiratory protection.
- See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up
- Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling
- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Do not use on extensive surface areas in premises where there are occupants.
- 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.
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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.
Storage temperature:
Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
(OEL (IT)) - LTE(8h): 98 mg/m3, 20 ppm - STE: 246 mg/m3, 50 ppm - Behaviour: Binding - Notes: pelle
EU - LTE(8h): 98 mg/m3, 20 ppm - STE: 246 mg/m3, 50 ppm - Notes: Skin
ACGIH - LTE: 96.66 mg/m3, 20 ppm - Notes: A3

DNEL Exposure Limit Values
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
Worker Industry: 89 mg/kg - Consumer: 44.5 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Worker Industry: 135 ppm - Consumer: 426 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 50 ppm - Consumer: 123 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 75 mg/kg - Consumer: 38 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 20 ppm - Consumer: 49 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 13.4 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects
Consumer: 3.2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
Target: Fresh Water - Value: 8.8 mg/l
Target: Marine water - Value: 0.88 mg/l
Target: Microorganisms in sewage treatments - Value: 463 mg/l
Target: Freshwater sediments - Value: 34.6 mg/kg
Target: Marine water sediments - Value: 3.46 mg/kg
Target: Soil (agricultural) - Value: 2.8 mg/l

Appropriate engineering controls:
None

Individual protection measures
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:
Not needed for normal use.

Thermal Hazards:
None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour: liquid
Odour: characteristic
Odour threshold: N.A.

pH: N.A.

Melting point / freezing point: N.A.
Initial boiling point and boiling range: >=55°C ( >= 131°F )

Solid/gas flammability: N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour density: N.A.

Flash point: > 93°C ( > 199.4 °F)
Evaporation rate: N.A.

Vapour pressure: N.A.
Relative density: 1.000 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: N.A.
Decomposition temperature: N.A.

Viscosity (typical value): 50.00 " Din cup # 2 ( Typical value)

Miscibility: N.A.
10. STABILITY AND REACTIVITY
Reactivity
Stable under normal conditions
Chemical stability
Stable under normal conditions
Possibility of hazardous reactions
No dangerous reaction is stored and used appropriately.
Conditions to avoid
Stable under normal conditions.
Incompatible materials
None in particular.
Hazardous decomposition products
None.

11. TOXICOLOGICAL INFORMATION
Information on toxicological effects
Toxicological information of the mixture:
N.A.
Toxicological information of the main substances found in the mixture:
4-hydroxy-2,2,6,6-tetramethylpiperidinoxyl - CAS: 2226-96-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 1053 mg/kg - Notes: (OECD - Guide line 401)
b) skin corrosion/irritation:
Test: Skin Corrosive - Species: Rabbit Negative - Notes: (OECD - Guide Line 404)
c) serious eye damage/irritation:
Test: Eye Corrosive - Species: Rabbit Positive - Notes: (OECD - Guide Line 405)
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Species: Cavia porcellus Negative - Notes: (OECD - Guide Line 406)
Test: Inhalation Sensitization - Species: Cavia porcellus Negative - Notes: (OECD - Guide Line 406)
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 1480 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 435 mg/kg
Test: LC50 - Route: Inhalation Vapour - Species: Rat male 2.4 mg/l - Duration: 4h
Test: LC50 - Route: Inhalation Vapour - Species: Rat Female 2.2 mg/l - Duration: 4h
b) skin corrosion/irritation:
Test: Skin Irritant - Species: Rabbit Yes - Notes: Provoca irritazione cutanea
Test: Eye Irritant - Species: Rabbit Yes - Notes: provoca grave irritazione oculare
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
Substance(s) listed on the NTP report on Carcinogens:
None.
Substance(s) listed on the IARC Monographs:
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - Group 3.
Substance(s) listed as OSHA Carcinogen(s):
None.
Substance(s) listed as NIOSH Carcinogen(s):
None.

12. ECOLOGICAL INFORMATION
Ecotoxicity
Adopt good working practices, so that the product is not released into the environment.
4-hydroxy-2,2,6,6-tetramethylpiperidinoxyl - CAS: 2226-96-2
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 545 mg/l - Notes: (OECD - Guide Line 203)
Endpoint: EC50 - Species: Daphnia = 54 mg/l
Endpoint: EC50 - Species: Algae = 272 mg/l
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Daphnia 1.5 ml/l - Notes: (OECD - Guide line 203 - part 2)
f) Effects in sewage plants:
Endpoint: CE10 - Species: Active mud = 428 mg/l
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2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve - CAS: 111-76-2

a) Aquatic acute toxicity:
   Endpoint: LC50 - Species: Fish = 1490 mg/l - Duration h: 96
   Endpoint: EC50 - Species: Daphnia = 1615 mg/l - Duration h: 24

b) Bacteria toxicity:
   Endpoint: EC50 - Species: Active mud > 700 mg/l - Duration h: 16

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

Persistence and degradability
N.A.
Bioaccumulative potential
N.A.
Mobility in soil
N.A.
Other adverse effects
None

13. DISPOSAL CONSIDERATIONS
Waste treatment and disposal methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION
UN number
Not classified as dangerous within the meaning of transport regulations.
UN proper shipping name
N.A.
Transport hazard class(es)
N.A.
Packing group
N.A.
Environmental hazards
ADR-Environmental pollutant: No
IMDG-Marine pollutant: No
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
No
Special precautions
N.A.

15. REGULATORY INFORMATION
USA - Federal regulations
TSCA - Toxic Substances Control Act
TSCA inventory: all the components are listed on the TSCA inventory.
TSCA listed substances:
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve is listed in TSCA Section 4, Section 12b.

SARA - Superfund Amendments and Reauthorization Act
Section 302 – Extremely Hazardous Substances: no substances listed.
Section 304 – Hazardous substances: no substances listed.
Section 313 – Toxic chemical list: 3-Iodo-2-propynylbutylcarbamate.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
No substances listed.

CAA - Clean Air Act
CAA listed substances:
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve is listed in CAA Section 111, Section 112(b) - HAP.

CWA - Clean Water Act
CWA listed substances:
3-Iodo-2-propynylbutylcarbamate is listed in CWA Section 304.

USA - State specific regulations
California Proposition 65
Substance(s) listed under California Proposition 65:
None.

Massachusetts Right to know
Substance(s) listed under Massachusetts Right to know:
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve.

New Jersey Right to know

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Substance(s) listed under New Jersey Right to know:
- 2-butoxyethanol
- ethylene glycol monobutyl ether
- butyl cellosolve
- 3-Iodo-2-propynylbutylcarbamate.

Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:
- 2-butoxyethanol
- ethylene glycol monobutyl ether
- butyl cellosolve.

16. OTHER INFORMATION

Text of phrases referred to under heading 3:
- H302 Harmful if swallowed.
- H318 Causes serious eye damage.
- H412 Causes serious eye irritation.
- H319 Causes skin irritation.
- H312 Harmful in contact with skin.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H317 May cause an allergic skin reaction.
- H400 Very toxic to aquatic life.

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Disclaimer:
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. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

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.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the “International Civil Aviation Organization” (ICAO).
INCI: International Nomenclature of Cosmetic Ingredients.
IARC: International Agency for Research on Cancer
KSI: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LTE: Long-term exposure.
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
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).