



Safety Data Sheet

WB for broadleaves Impregnating agent FC

Safety Data Sheet dated 7/1/2022, version 2

1. Identification

GHS Product identifier
Mixture identification:
Trade name: WB for broadleaves Impregnating agent FC
Other means of identification
Trade code: 7IMW4500

Recommended use and restrictions on use
Recommended use: Surface coating
Uses advised against:


Supplier's details
Company:
SIRCA S.p.A.
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
For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
1-800-424-9300 / +1 703-527-3887.

2. Hazard identification

Classification of the hazardous product

 Warning, Skin Sens. 1, May cause an allergic skin reaction.

Aquatic Acute 2, Toxic to aquatic life.

 Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

GHS label elements, including precautionary statements

Hazard pictograms:



Warning

Hazard statements:

H317 May cause an allergic skin reaction.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

P321 Specific treatment (see supplementary instructions on this label).

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

P501 Dispose of contents/container in accordance with applicable regulations.

Special provisions

None

Other hazards

None

Ingredient(s) with unknown acute toxicity

None.

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3. Composition/Information on ingredients

Substances

N.A.

Mixtures

Hazardous components within the meaning of WHMIS 2015 and related classification:

>= 2% - < 2.5% Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether

REACH No.: 02-2119630747-33-xxxx, CAS: 166736-08-9, EC: 944-523-0



A.2/2 Skin Irrit. 2 H315



A.3/2A Eye Irrit. 2A H319

>= 0.25% - < 0.5% 3-Iodo-2-propynylbutylcarbamate

Index number: 616-212-00-7, CAS: 55406-53-6, EC: 259-627-5



A.1/3/Inhal Acute Tox. 3 H331



A.1/4/Oral Acute Tox. 4 H302



A.9/1 STOT RE 1 H372



A.3/1 Eye Dam. 1 H318



A.4.2/1 Skin Sens. 1 H317



CAN-HAE/A1 Aquatic Acute 1 H400



CAN-HAE/C1 Aquatic Chronic 1 H410

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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, if necessary

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 and unsuitable extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the hazardous product

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties:

N.A.



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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 persons to safety.
See protective measures under point 7 and 8.
Methods and material 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.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contaminated clothing should be changed before entering eating areas.
Do not eat or drink while working.
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
No occupational exposure limit available
DNEL Exposure Limit Values
3-Iodo-2-propynylbutylcarbamate - CAS: 55406-53-6
Worker Professional: 0.023 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 1.16 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 2 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
PNEC Exposure Limit Values
N.A.
Appropriate engineering controls
None
Individual protection measures, such as personal protective equipment (PPE)
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:	8.00
Melting point / freezing point:	< 1° C
Initial boiling point and boiling range:	> 55° C
Flash point:	N.A.
Evaporation rate:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour pressure:	N.A.
Vapour density:	N.A.



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Relative density:	1.0050 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:	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 product:
	N.A.
Toxicological information of the main substances found in the product:	
	Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether - CAS: 166736-08-9
a) acute toxicity:	Test: LD50 - Route: Oral - Species: Rat > 2000 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
	Test: LC50 - Route: Inhalation - Species: Rat = 0.763 g/m3 - Duration: 4h
	Test: NOAEL - Route: Oral - Species: Rat 20 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 No
e) germ cell mutagenicity:	Test: Mutagenesis - Species: Generic Bacteria Negative
Substance(s) listed on the NTP report on Carcinogens:	None.
Substance(s) listed on the IARC Monographs:	None.
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.
	Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether - CAS: 166736-08-9
a) Aquatic acute toxicity:	Endpoint: LC50 - Species: Fish 10-100 mg/l - Duration h: 96
	Endpoint: EC50 - Species: 19126.gamberetto 10-100 mg/l - Duration h: 48
	Endpoint: EC50 - Species: Algae 10-100 mg/l - Duration h: 72
	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
Persistence and degradability	



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

13. Disposal considerations

Safe handling and methods for disposal
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 in the meaning of transport regulations.
UN proper shipping name
N.A.
Transport hazard class(es)
N.A.
Packing group
N.A.
Environmental hazards
N.A.
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
No
Special precautions in connection with transport or conveyance
N.A.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question
This Safety Data Sheet has been prepared according to the Hazardous Products Regulations (HPR) - WHMIS 2015.
NPRI - National Pollutant Release Inventory
Substance(s) listed under NPRI:
None.
DSL inventory - Domestic substances list
All the components are listed in the DSL.
NDSL inventory - Not Domestic substances list
List of Components included in the NDSL (Not Domestic substances list)
no substances listed
TSCA inventory
List of substances included in the TSCA inventory:
3-Iodo-2-propynylbutylcarbamate
List of substances not included in the TSCA inventory:
Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylheptyl) ether
TSCA listed substances:
None.
USA - Federal regulations
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:
None.
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:
No substances listed.
New Jersey Right to know
Substance(s) listed under New Jersey Right to know:



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3-Iodo-2-propynylbutylcarbamate.
Pennsylvania Right to know
Substance(s) listed under Pennsylvania Right to know:
No substances listed.

16. Other information

Text of phrases referred to under heading 3:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H302 Harmful if swallowed.
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.

Safety Data Sheet dated 7/1/2022, version 2
Sections modified from the previous revision:

15. Regulatory information

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.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
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).
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.
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.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average