



Safety Data Sheet

White ACR sealer EXT

Safety Data Sheet dated 11/13/2019, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:
Trade name: White ACR sealer EXT
Other means of identification:
Trade code: 6FA930

Recommended use of the chemical and restrictions on use

Recommended use: Surface coating
Restrictions on use:

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

Distributed by:

GEMINI INDUSTRIES, INC.
2300 Holloway Drive
El Reno, OK 73036
USA
Tel. 1-800-262-5710
Fax 1-405-262-9310
www.gemini-coatings.com

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(S) IDENTIFICATION

Classification of the chemical



Danger, Flam. Liq. 2, Highly flammable liquid and vapour.



Warning, Eye Irrit. 2A, Causes serious eye irritation.



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



Warning, Carc. 2, Suspected of causing cancer.



Warning, Repr. 2, Suspected of damaging fertility or the unborn child.



Warning, STOT SE 3, May cause drowsiness or dizziness.



Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Aquatic Acute 3, Harmful to aquatic life.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Safety Data Sheet

White ACR sealer EXT

Label elements

Hazard pictograms:



Danger

Hazard statements:

- H225 Highly flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash your face, hands and every exposed part thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- 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.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER/doctor/... if you feel unwell.
- P314 Get medical advice/attention if you feel unwell.
- P321 Specific treatment (see supplementary instructions on this label).
- 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.
- P370+P378 In case of fire: Use a CO₂, Foam, Chemical powders for extinction.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- 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

NFPA rating:





Safety Data Sheet

White ACR sealer EXT

HMIS rating:

HEALTH	* 2
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

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

>= 12.5% - < 20% n-butyl acetate

REACH No.: 01-2119485493-29-xxxx, Index number: 607-025-00-1, CAS: 123-86-4, EC: 204-658-1



B.6/3 Flam. Liq. 3 H226



A.8/3 STOT SE 3 H336

>= 9.9% - < 12.5% Titanium dioxide

REACH No.: 01-2119489379-17-xxxx, CAS: 13463-67-7, EC: 236-675-5



A.6/2 Carc. 2 H351

>= 3% - < 5% butanone

REACH No.: 01-2119457290-43-xxxx, Index number: 606-002-00-3, CAS: 78-93-3, EC: 201-159-0



B.6/2 Flam. Liq. 2 H225



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



A.8/3 STOT SE 3 H336

>= 3% - < 5% 2-butoxyethyl acetate; butylglycol acetate

Index number: 607-038-00-2, CAS: 112-07-2, EC: 203-933-3



A.1/4/Dermal Acute Tox. 4 H312



A.1/4/Inhal Acute Tox. 4 H332

>= 3% - < 5% xylene [isomer mixture]

REACH No.: 01-2119488216-32-xxxx, Index number: 601-022-00-9, CAS: 1330-20-7, EC: 215-535-7



B.6/3 Flam. Liq. 3 H226



A.10/1 Asp. Tox. 1 H304




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

Safety Data Sheet


White ACR sealer EXT

 A.8/3 STOT SE 3 H335

 A.9/2 STOT RE 2 H373

 A.2/2 Skin Irrit. 2 H315


 A.1/4/Dermal Acute Tox. 4 H312


 A.1/4/Inhal Acute Tox. 4 H332

>= 2.5% - < 3% toluene

REACH No.: 01-2119471310-51-xxxx, Index number: 601-021-00-3, CAS: 108-88-3, EC: 203-625-9

 B.6/2 Flam. Liq. 2 H225

 A.7/2 Repr. 2 H361

 A.10/1 Asp. Tox. 1 H304

 A.9/2 STOT RE 2 H373

 A.2/2 Skin Irrit. 2 H315

 A.8/3 STOT SE 3 H336

>= 1% - < 2% 4-methylpentan-2-one; isobutyl methyl ketone

REACH No.: 01-2119473980-30-xxxx, Index number: 606-004-00-4, CAS: 108-10-1, EC: 203-550-1

 A.8/3 STOT SE 3 H336

 B.6/2 Flam. Liq. 2 H225

 A.6/2 Carc. 2 H351

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

 A.8/3 STOT SE 3 H335


 A.1/4/Inhal Acute Tox. 4 H332

>= 0.5% - < 1% ethylbenzene

REACH No.: 01-2119489370-35-xxxx, Index number: 601-023-00-4, CAS: 100-41-4, EC: 202-849-4

 A.10/1 Asp. Tox. 1 H304

 B.6/2 Flam. Liq. 2 H225

 A.2/2 Skin Irrit. 2 H315

 A.1/4/Inhal Acute Tox. 4 H332



Safety Data Sheet

White ACR sealer EXT

A.6/2 Carc. 2 H351

>= 0.25% - < 0.5% Fatty acids, C14-18 and C16-18-unsatd., maleated
REACH No.: 01-2119976378-19-xxxx, CAS: 85711-46-2, EC: 288-306-2

A.2/2 Skin Irrit. 2 H315

A.4.2/1 Skin Sens. 1 H317

>= 0.25% - < 0.5% Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
CAS: 41556-26-7, EC: 255-437-1

A.4.2/1 Skin Sens. 1 H317

US-HAE/A1 Aquatic Acute 1 H400

US-HAE/C1 Aquatic Chronic 1 H410

>= 0.1% - < 0.2% Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
CAS: 82919-37-7, EC: 280-060-4

A.4.2/1 Skin Sens. 1 H317

US-HAE/A1 Aquatic Acute 1 H400

US-HAE/C1 Aquatic Chronic 1 H410

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.
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:

In case of fire: Use a CO₂, Foam, Chemical powders for extinction.

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.



Safety Data Sheet

White ACR sealer EXT

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.

Remove persons to safety.

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.

Exercise the greatest care when handling or opening the container.

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.

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 flame and sparks. Avoid accumulating electrostatic charge.

Place recipients on the ground whilst decanting, and wear anti-static clothing and shoes.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

Storage temperature:

Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

n-butyl acetate - CAS: 123-86-4

TWA (Italia) - TWA: 150 ppm - STEL: 200 ppm

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr

Titanium dioxide - CAS: 13463-67-7

ACGIH - TWA(8h): 10 mg/m³ - Notes: A4 - LRT irr

butanone - CAS: 78-93-3

(OEL (IT)) - TWA(8h): 600 mg/m³, 200 ppm - STEL: 900 mg/m³, 300 ppm - Behaviour: Binding

EU - TWA(8h): 600 mg/m³, 200 ppm - STEL: 900 mg/m³, 300 ppm

ACGIH - TWA(8h): 200 ppm - STEL: 300 ppm - Notes: BEI - URT irr, CNS and PNS impair

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

(OEL (IT)) - TWA(8h): 133 mg/m³, 20 ppm - STEL: 333 mg/m³, 50 ppm - Behaviour: Binding - Notes: Pelle

EU - TWA(8h): 133 mg/m³, 20 ppm - STEL: 333 mg/m³, 50 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: A3 - Hemolysis

xylene [isomer mixture] - CAS: 1330-20-7

(OEL (IT)) - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Behaviour: Binding - Notes: pelle

EU - TWA(8h): 221 mg/m³, 50 ppm - STEL: 442 mg/m³, 100 ppm - Notes: Skin

ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair

toluene - CAS: 108-88-3

(OEL (IT)) - TWA(8h): 192 mg/m³, 50 ppm - Behaviour: Binding - Notes: Pelle

EU - TWA(8h): 192 mg/m³, 50 ppm - STEL: 384 mg/m³, 100 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - Visual impair, female repro, pregnancy loss

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

(OEL (IT)) - TWA(8h): 83 mg/m³, 20 ppm - STEL: 208 mg/m³, 50 ppm - Behaviour: Binding

EU - TWA(8h): 83 mg/m³, 20 ppm - STEL: 208 mg/m³, 50 ppm

ACGIH - TWA(8h): 20 ppm - STEL: 75 ppm - Notes: A3, BEI - URT irr, dizziness, headache

ethylbenzene - CAS: 100-41-4

(OEL (IT)) - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Behaviour: Binding - Notes: pelle

EU - TWA(8h): 442 mg/m³, 100 ppm - STEL: 884 mg/m³, 200 ppm - Notes: Skin

ACGIH - TWA(8h): 20 ppm - Notes: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair



Safety Data Sheet

White ACR sealer EXT

DNEL Exposure Limit Values

n-butyl acetate - CAS: 123-86-4

Worker Professional: 600 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Professional: 300 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 11 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 11 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Consumer: 300 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects
Consumer: 35.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 6 mg/kg - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Consumer: 2 mg/kg - Exposure: Human Oral - Frequency: Short Term, systemic effects

Titanium dioxide - CAS: 13463-67-7

Worker Industry: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Professional: 10 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 700 mg/kg/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

butanone - CAS: 78-93-3

Worker Industry: 1161 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 600 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 412 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 106 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 31 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

xylene [isomer mixture] - CAS: 1330-20-7

Worker Industry: 180 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 77 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 108 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 1872 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 12.5 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

toluene - CAS: 108-88-3

Consumer: 226 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Consumer: 226 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Consumer: 226 mg/m³ - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 56.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 8.13 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Industry: 384 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 384 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 192 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

Worker Industry: 208 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute)
Worker Industry: 208 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 11.8 mg/kg - Exposure: Human Dermal - Frequency: Long Term (repeated)
Worker Industry: 83 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term (repeated)
Worker Industry: 83 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 155.2 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute)
Consumer: 155.2 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Consumer: 4.2 mg/kg - Exposure: Human Dermal - Frequency: Long Term (repeated)
Consumer: 14.7 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term (repeated)
Consumer: 4.2 mg/kg - Exposure: Human Oral - Frequency: Long Term (repeated)

ethylbenzene - CAS: 100-41-4

Worker Industry: 180 mg/kg/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 293 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 77 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

n-butyl acetate - CAS: 123-86-4

Target: Fresh Water - Value: 0.18 mg/l
Target: Marine water - Value: 0.018 mg/l
Target: Freshwater sediments - Value: 0.981 mg/kg
Target: Marine water sediments - Value: 0.0981 mg/kg
Target: Soil (agricultural) - Value: 0.0903 mg/kg
Target: STP - Value: 35.6 mg/l

Titanium dioxide - CAS: 13463-67-7

Target: Fresh Water - Value: 0.127 mg/l
Target: Marine water - Value: 0.127 mg/l
Target: Soil (agricultural) - Value: 100 mg/kg
Target: Marine water sediments - Value: 100 mg/kg - Notes: dry
Target: Freshwater sediments - Value: 1000 mg/kg - Notes: dry
Target: Soil (agricultural) - Value: 100 mg/kg - Notes: alimento
Target: orally (secondary poisoning) - Value: 1667 mg/kg

butanone - CAS: 78-93-3

Target: Marine water - Value: 55.8 mg/l
Target: Fresh Water - Value: 55.8 mg/l
Target: occasional emission - Value: 55.8 mg/l
Target: STP - Value: 709 mg/l



Safety Data Sheet

White ACR sealer EXT

Target: Freshwater sediments - Value: 284.7 mg/kg dwt
Target: Marine water sediments - Value: 284.7 mg/kg dwt
Target: Soil (agricultural) - Value: 22.5 mg/kg
Target: orally (secondary poisoning) - Value: 1000 mg/kg
xylene [isomer mixture] - CAS: 1330-20-7
Target: Fresh Water - Value: 0.327 mg/l
Target: Fresh Water - Value: 0.327 mg/l
Target: occasional emission - Value: 0.327 mg/l
Target: Microorganisms in sewage treatments - Value: 6.58 mg/l
Target: Soil (agricultural) - Value: 2.31 mg/kg - Notes:: dry
Target: Marine water sediments - Value: 12.46 mg/kg - Notes:: dry
Target: Freshwater sediments - Value: 12.46 mg/kg - Notes:: dry
toluene - CAS: 108-88-3
Target: Fresh Water - Value: 0.68 mg/l
Target: Marine water - Value: 0.68 mg/l
Target: Soil (agricultural) - Value: 2.89 mg/kg
Target: Marine water sediments - Value: 16.39 mg/l
Target: Freshwater sediments - Value: 16.39 mg/l
Target: STP - Value: 13.61 mg/l
4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1
Target: Fresh Water - Value: 0.6 mg/l
Target: Marine water - Value: 0.06 mg/l
Target: Freshwater sediments - Value: 8.27 mg/kg
Target: Marine water sediments - Value: 0.83 mg/kg
Target: Soil (agricultural) - Value: 1.3 mg/kg
ethylbenzene - CAS: 100-41-4
Target: Fresh Water - Value: 0.1 mg/l
Target: Marine water - Value: 0.01 mg/l
Target: Marine water sediments - Value: 13.7 mg/l
Target: Freshwater sediments - Value: 13.7 mg/l
Target: occasional emission - Value: 0.1 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:

Use adequate protective respiratory equipment.

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:	< 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:	< 21°C - < 69.8 °F
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.3070 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):	125.00 " Din cup # 4
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	N.A.



Safety Data Sheet

White ACR sealer EXT

10. STABILITY AND REACTIVITY

- Reactivity
It may generate dangerous reactions (See subsections below)
- Chemical stability
It may generate dangerous reactions (See subsections below)
- Possibility of hazardous reactions
No dangerous reaction is stored and used appropriately.
- Conditions to avoid
Avoid accumulating electrostatic charge.
Vapours can form explosive mixtures with air.
- Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
- 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:

n-butyl acetate - CAS: 123-86-4

a) acute toxicity:

- Test: LC50 - Route: Inhalation - Species: Rat > 21 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat = 10736 mg/kg - Notes: Method OECD linee guide 402
Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

Titanium dioxide - CAS: 13463-67-7

a) acute toxicity:

- Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 6.82 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

b) skin corrosion/irritation:

- Test: Eye Irritant - Species: Rabbit No
Test: Skin Irritant - Species: Rabbit No

d) respiratory or skin sensitisation:

- Test: Skin Sensitization - Species: Mouse No

i) STOT-repeated exposure:

- Test: NOAEL - Species: Rat 3500 mg/kg/day - Source: polmoni

butanone - CAS: 78-93-3

a) acute toxicity:

- Test: LD50 - Route: Oral - Species: Rat = 2737 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 6480 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 23.5 mg/l - Duration: 8h

b) skin corrosion/irritation:

- Test: Skin Corrosive - Species: Rabbit Negative - Notes: moderatamente irritante
2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

a) acute toxicity:

- Test: LD50 - Route: Oral - Species: Rat 1880 mg/kg body weight
Test: LD50 - Route: Skin - Species: Rabbit 1500 mg/kg body weight
Test: LC50 - Route: Inhalation - Species: Rat > 400 Ppm - Duration: 4h

xylene [isomer mixture] - CAS: 1330-20-7

a) acute toxicity:

- Test: LD50 - Route: Inhalation - Species: Rat = 27 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat = 3523 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit = 12126 mg/kg

toluene - CAS: 108-88-3

a) acute toxicity:

- Test: LD50 - Route: Oral - Species: Rat 5000 mg/kg - Duration: 24h
Test: LD50 - Route: Skin - Species: Rabbit 12267 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 25.7 mg/l - Duration: 4h

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

a) acute toxicity:

- Test: LC50 - Route: Inhalation - Species: Rat = 23.29 g/m3
Test: LD50 - Route: Oral - Species: Rat = 2080 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 8.2 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit = 2000 mg/kg

ethylbenzene - CAS: 100-41-4

a) acute toxicity:

- Test: LD50 - Route: Skin - Species: Rabbit = 15400 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat = 4000 Ppm - Duration: 4h

d) respiratory or skin sensitisation:

- Test: Skin Sensitization - Route: Skin - Species: Cavia porcellus Negative



Safety Data Sheet

White ACR sealer EXT

Fatty acids, C14-18 and C16-18-unsatd., maleated - CAS: 85711-46-2

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat Female > 2000 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant Yes

Test: Eye Irritant - Species: Rabbit No

d) respiratory or skin sensitisation:

Test: Skin Sensitization - Species: Mouse Yes

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

Titanium dioxide - Group 2B

xylene [isomer mixture] - Group 3

toluene - Group 3

4-methylpentan-2-one; isobutyl methyl ketone - Group 2B

ethylbenzene - Group 2B.

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.

n-butyl acetate - CAS: 123-86-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 64 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia = 73 mg/l - Duration h: 24

Endpoint: EC50 - Species: Algae = 674 mg/l - Duration h: 72

Titanium dioxide - CAS: 13463-67-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96

Endpoint: EC50 - Species: Algae = 61 mg/l - Duration h: 72

Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Algae 100000 mg/kg - Duration h: 480

butanone - CAS: 78-93-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 3220 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 520 mg/l - Duration h: 48

2-butoxyethyl acetate; butylglycol acetate - CAS: 112-07-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 28 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia 37 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae 1570 mg/l - Duration h: 72

xylene [isomer mixture] - CAS: 1330-20-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 3.2 mg/l - Duration h: 96

Endpoint: LC50 - Species: Algae = 2.6 mg/l - Duration h: 73

toluene - CAS: 108-88-3

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 5.5 ml/l - Duration h: 96

Endpoint: EC50 - Species: Algae > 134 ml/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: EC50 - Species: Daphnia = 3.78 mg/l - Duration h: 48

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 100 mg/l

ethylbenzene - CAS: 100-41-4

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 42.3 mg/l - Duration h: 96

Fatty acids, C14-18 and C16-18-unsatd., maleated - CAS: 85711-46-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 150 mg/l - Duration h: 48

Endpoint: EC50 - Species: Daphnia > 100 mg/l - Duration h: 48

Endpoint: ErC50 - Species: Algae > 100 mg/l - Duration h: 72

Endpoint: EC50 - Species: Active mud > 1000 mg/l - Duration h: 3



Safety Data Sheet

White ACR sealer EXT

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. 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

UN number
ADR-UN Number: 1263
DOT-UN Number: 1263
IATA-UN Number: 1263
IMDG-UN Number: 1263
UN proper shipping name
ADR-Shipping Name: Paint Related material
DOT-Shipping Name: Paint Related material
IATA-Shipping Name: Paint Related material
IMDG-Shipping Name: Paint Related material
Transport hazard class(es)
ADR-Class: 3
DOT-Class: 3
IATA-Class: 3
IMDG-Class: 3
Packing group
ADR-Packing Group: II
DOT-Packing Group: II
IATA-Packing group: II
IMDG-Packing group: II
Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
Special precautions
ADR-Tunnel Restriction Code: D/E
DOT-Special provisions: 149, B52, IB2, T4, TP1, TP8, TP28
IATA-Passenger Aircraft: 353
IATA-Cargo Aircraft: 364
IATA-S.P.: A72
IATA-ERG: 8L
IMDG-EmS: F-E, S-E
IMDG-Storage category: B
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
No

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:
n-butyl acetate is listed in TSCA Section 4, Section 12b
toluene is listed in TSCA Section 8a - CAIR
4-methylpentan-2-one; isobutyl methyl ketone is listed in TSCA Section 4
ethylbenzene is listed in TSCA Section 4.
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: xylene [isomer mixture], toluene, 4-methylpentan-2-one; isobutyl methyl ketone, ethylbenzene.
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
Substance(s) listed under CERCLA: n-butyl acetate - Reportable quantity: 5000 pounds
butanone - Reportable quantity: 5000 pounds
xylene [isomer mixture] - Reportable quantity: 100 pounds
toluene - Reportable quantity: 1000 pounds
4-methylpentan-2-one; isobutyl methyl ketone - Reportable quantity: 5000 pounds



Safety Data Sheet

White ACR sealer EXT

ethylbenzene - Reportable quantity: 1000 pounds.
Reportable quantity for mixture: 2715.51332 pounds.

CAA - Clean Air Act

CAA listed substances:

n-butyl acetate is listed in CAA Section 111

butanone is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

2-butoxyethyl acetate; butylglycol acetate is listed in CAA Section 111, Section 112(b) - HON

xylene [isomer mixture] is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

toluene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

4-methylpentan-2-one; isobutyl methyl ketone is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON

ethylbenzene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON.

CWA - Clean Water Act

CWA listed substances:

n-butyl acetate is listed in CWA Section 311, Section 304

xylene [isomer mixture] is listed in CWA Section 311, Section 304

toluene is listed in CWA Section 311, Section 304, Section 307

4-methylpentan-2-one; isobutyl methyl ketone is listed in CWA Section 304

ethylbenzene is listed in CWA Section 311, Section 304, Section 307.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

Titanium Dioxide (airborne, unbound particles of respirable size) is known to the state of California to cause cancer. This listing does not cover titanium dioxide when it remains bound within a product matrix

toluene - Listed as reproductive toxicant

4-methylpentan-2-one; isobutyl methyl ketone - Listed as carcinogen

ethylbenzene - Listed as carcinogen.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

n-butyl acetate

Titanium dioxide

butanone

xylene [isomer mixture]

toluene

4-methylpentan-2-one; isobutyl methyl ketone

ethylbenzene.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

n-butyl acetate

Titanium dioxide

butanone

2-butoxyethyl acetate; butylglycol acetate

xylene [isomer mixture]

toluene

4-methylpentan-2-one; isobutyl methyl ketone

ethylbenzene.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

n-butyl acetate

Titanium dioxide

butanone

xylene [isomer mixture]

toluene

4-methylpentan-2-one; isobutyl methyl ketone

ethylbenzene.

16. OTHER INFORMATION

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H304 May be fatal if swallowed and enters airways.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H315 Causes skin irritation.

H361 Suspected of damaging fertility or the unborn child.

H317 May cause an allergic skin reaction.



Safety Data Sheet

White ACR sealer EXT

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Safety Data Sheet dated 11/13/2019, version 1

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).
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