



Safety Data Sheet

Colourless wb ext matt topcoat

Safety Data Sheet dated 2/17/2017, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name:

Colourless wb ext matt topcoat

Other means of identification:

Trade code:

6OWE950G50S04

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

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

Aquatic Acute 3, Harmful to aquatic life.

Label elements

Hazard pictograms:

None

Hazard statements:

H402 Harmful to aquatic life.

Precautionary statements:

P273 Avoid release to the environment.

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

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

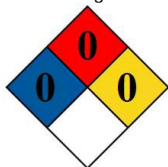
None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMIS rating:

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HEALTH	* 0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

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% 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

REACH No.: 01-2119475104-44-xxxx, Index number: 603-096-00-8, CAS: 112-34-5, EC: 203-961-6

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

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Wash with plenty of water and soap.

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

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.



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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.

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-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
(OEL (IT)) - LTE(8h): 67.5 mg/m³, 10 ppm - STE: 101.2 mg/m³, 15 ppm - Behaviour: Binding
EU - LTE(8h): 67.5 mg/m³, 10 ppm - STE: 101.2 mg/m³, 15 ppm

DNEL Exposure Limit Values

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
Worker Industry: 67.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 67.5 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 20 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 101.2 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute)
Consumer: 34 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 34 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term (acute)
Consumer: 50.6 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, local effects
Consumer: 10 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 1.25 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
Target: Fresh Water - Value: 1 mg/l
Target: Marine water - Value: 0.1 mg/l
Target: occasional emission - Value: 3.9 mg/l
Target: STP - Value: 200 mg/l
Target: Freshwater sediments - Value: 4 mg/kg dwt
Target: Marine water sediments - Value: 0.4 mg/kg dwt
Target: Soil (agricultural) - Value: 0.4 mg/kg dwt
Target: orally (secondary poisoning) - Value: 56 mg/kg

Appropriate engineering controls:

None

Individual protection measures

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:

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:	< 1° C
Initial boiling point and boiling range:	> 55° C
Solid/gas flammability:	N.A.



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Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	>=93°C (>= 199°F)
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	1.0250 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):	24000.00 cPs Brookfield
Miscibility:	N.A.
Fat Solubility:	N.A.
Conductivity:	N.A.
Substance Groups relevant properties	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:	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
a) acute toxicity:	Test: LC50 - Route: Inhalation - Species: Rabbit = 3 mg/l - Duration: 2h Test: LD50 - Route: Oral - Species: Rat = 5660 mg/kg Test: LD50 - Route: Skin - Species: Rabbit = 2700 mg/kg Test: LD50 - Route: Oral - Species: Mouse = 2400 mg/kg
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. 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether - CAS: 112-34-5
a) Aquatic acute toxicity:	Endpoint: LC50 - Species: Fish = 1300 mg/l - Duration h: 96 Endpoint: EC50 - Species: Daphnia = 100 mg/l - Duration h: 48
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

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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:
None.

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: no substances listed.

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

CAA - Clean Air Act
CAA listed substances:
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether is listed in CAA Section 111, Section 112(b) - HON.

CWA - Clean Water Act
CWA listed substances:
None.

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:
No substances listed.

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:
H319 Causes serious eye irritation.

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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



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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.
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).