



## Safety Data Sheet Acrylic glossy top coat








Safety Data Sheet dated 5/20/2014, version 1

### 1. IDENTIFICATION

Product identifier  
Mixture identification:  
Trade name: Acrylic glossy top coat  
Other means of identification:  
Trade code: 6VOPU79  
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

-  Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
-  Warning, Skin Irrit. 2, Causes skin irritation.
-  Warning, Eye Irrit. 2A, Causes serious eye irritation.
-  Warning, Skin Sens. 1, May cause an allergic skin reaction.
-  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.

Label elements  
Symbols:



Danger

Hazard statements:  
H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
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.

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.  
P233 Keep container tightly closed.  
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.  
P271 Use only outdoors or in a well-ventilated area.

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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.  
 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.  
 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 use CO<sub>2</sub>, Foam, Chemical powders to 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:



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:

>= 25% - < 48% 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

>= 12.5% - < 20% 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

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 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

>= 9.9% - < 12.5% 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

>= 7% - < 9.9% 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

 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


>= 3% - < 5% 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

 B.6/2 Flam. Liq. 2 H225

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


 A.8/3 STOT SE 3 H335

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

>= 1% - < 2% ethylbenzene

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

 B.6/2 Flam. Liq. 2 H225

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

>= 0.5% - < 1% methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate

REACH No.: 01-2119452498-28-xxxx, Index number: 607-035-00-6, CAS: 80-62-6, EC: 201-297-1

 B.6/2 Flam. Liq. 2 H225

 A.8/3 STOT SE 3 H335



 A.2/2 Skin Irrit. 2 H315

 A.4.2/1 Skin Sens. 1 H317

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>= 0.1% - < 0.2% 2-hydroxyethyl methacrylate  
REACH No.: 01-2119490169-29-xxxx, Index number: 607-124-00-X, CAS: 868-77-9, EC: 212-782-2

-  A.3/2A Eye Irrit. 2A H319
-  A.2/2 Skin Irrit. 2 H315
-  A.4.2/1 Skin Sens. 1 H317

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#### 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

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#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire, use CO<sub>2</sub>, Foam, Chemical powders

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.

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#### 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.

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#### 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.

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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  
 TLV TWA - 150 ppm - 712,64 mg/m<sup>3</sup>  
 TLV STEL - 200 ppm - 950,18 mg/m<sup>3</sup>

toluene - CAS: 108-88-3  
 (OEL (IT)) - LTE(8h): 192 mg/m<sup>3</sup>, 50 ppm - Behaviour: Binding - Notes: Pelle  
 EU - LTE(8h): 192 mg/m<sup>3</sup>, 50 ppm - STE: 384 mg/m<sup>3</sup>, 100 ppm - Notes: Skin  
 ACGIH - LTE: 188.4 mg/m<sup>3</sup>, 50 ppm - Notes: A4 Skin

butanone - CAS: 78-93-3  
 (OEL (IT)) - LTE(8h): 600 mg/m<sup>3</sup>, 200 ppm - STE: 900 mg/m<sup>3</sup>, 300 ppm - Behaviour: Binding  
 EU - LTE(8h): 600 mg/m<sup>3</sup>, 200 ppm - STE: 900 mg/m<sup>3</sup>, 300 ppm  
 ACGIH - LTE: 589.78 mg/m<sup>3</sup>, 200 ppm - STE: 884.66 mg/m<sup>3</sup>, 300 ppm

xylene [isomer mixture] - CAS: 1330-20-7  
 (OEL (IT)) - LTE(8h): 221 mg/m<sup>3</sup>, 50 ppm - STE: 442 mg/m<sup>3</sup>, 100 ppm - Behaviour: Binding - Notes: pelle  
 EU - LTE(8h): 221 mg/m<sup>3</sup>, 50 ppm - STE: 442 mg/m<sup>3</sup>, 100 ppm - Notes: skin  
 ACGIH - LTE: 434.19 mg/m<sup>3</sup>, 100 ppm - STE: 651.29 mg/m<sup>3</sup>, 150 ppm - Notes: A4

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1  
 (OEL (IT)) - LTE(8h): 83 mg/m<sup>3</sup>, 20 ppm - STE: 208 mg/m<sup>3</sup>, 50 ppm - Behaviour: Binding  
 EU - LTE(8h): 83 mg/m<sup>3</sup>, 20 ppm - STE: 208 mg/m<sup>3</sup>, 50 ppm  
 ACGIH - LTE: 204.83 mg/m<sup>3</sup>, 50 ppm - STE: 307.24 mg/m<sup>3</sup>, 75 ppm

ethylbenzene - CAS: 100-41-4  
 (OEL (IT)) - LTE(8h): 442 mg/m<sup>3</sup>, 100 ppm - STE: 884 mg/m<sup>3</sup>, 200 ppm - Behaviour: Binding - Notes: pelle  
 EU - LTE(8h): 442 mg/m<sup>3</sup>, 100 ppm - STE: 884 mg/m<sup>3</sup>, 200 ppm - Notes: Skin  
 ACGIH - LTE: 434.19 mg/m<sup>3</sup>, 100 ppm - STE: 542.74 mg/m<sup>3</sup>, 125 ppm - Notes: A3

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6  
 (OEL (IT)), 50 ppm, 100 ppm - Behaviour: Binding  
 EU, 50 ppm, 100 ppm  
 ACGIH, 50 ppm, 100 ppm

### DNEL Exposure Limit Values

n-butyl acetate - CAS: 123-86-4  
 Worker Professional: 960 mg/m<sup>3</sup> - Consumer: 859.7 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
 Worker Professional: 480 mg/m<sup>3</sup> - Consumer: 102.34 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

toluene - CAS: 108-88-3  
 Consumer: 226 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, systemic effects  
 Consumer: 226 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term, local effects  
 Consumer: 226 mg/m<sup>3</sup> - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
 Consumer: 56.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
 Consumer: 8.13 mg/Kg-bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6  
 Worker Industry: 210 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, local effects  
 Worker Industry: 1.5 mg/cm<sup>2</sup> - Exposure: Human Dermal - Frequency: Long Term, local effects  
 Worker Industry: 210 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long Term, systemic effects  
 Worker Industry: 13.67 mg/Kg-bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects  
 Worker Industry: 1.5 mg/cm<sup>2</sup> - Exposure: Human Dermal - Frequency: Short Term, local 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

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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  
 toluene - CAS: 108-88-3  
 Target: Freshwater sediments - Value: 0.68 mg/l  
 Target: Marine water sediments - Value: 0.68 mg/l  
 Target: Soil (agricultural) - Value: 2.89 mg/kg  
 methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6  
 Target: Fresh Water - Value: 0.94 mg/l  
 Target: Marine water - Value: 0.094 mg/l  
 Target: Freshwater sediments - Value: 5.74 mg/kg  
 Target: Soil (agricultural) - Value: 1.47 mg/kg  
 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

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## 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 ( >= 131°F )              |
| 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:                             | 0.948 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):                    | 60 " Din cup # 4 (Typical value) |
| Miscibility:                                  | N.A.                             |
| Fat Solubility:                               | N.A.                             |
| Conductivity:                                 | N.A.                             |
| Substance Groups relevant properties          | N.A.                             |

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## 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.

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## 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects  
 Toxicological information of the mixture:  
 N.A.

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Toxicological information of the main substances found in the mixture:

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 14000 mg/kg

toluene - CAS: 108-88-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 636 mg/kg

butanone - CAS: 78-93-3

a) acute toxicity:

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

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

b) skin corrosion/irritation:

Test: Skin Corrosive - Species: Rabbit - Notes: moderatamente irritante

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

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

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat = 23.29 g/m<sup>3</sup>

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

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 7900 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 29.8 mg/l - Duration: 4h

Test: LD50 - Route: Skin - Species: Rabbit = 5000 mg/kg

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

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

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

DL50 ORAL(RAT): > 5.000 MG/KG

CL50 INHALATION (RAT): >23.8 MG/L 6H

ethylbenzene - CAS: 100-41-4

LD50 (RAT) ORAL: 3500 MG/KG

LD50 (RAT) ORAL: 4710 MG/KG BW

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6

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

None.

Substance(s) listed on the IARC Monographs:

toluene - Group 3

xylene [isomer mixture] - Group 3

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

ethylbenzene - Group 2B

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - 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.

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

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 18 mg/l - Duration h: 96

Endpoint: EC50 - Species: Daphnia = 44 mg/l - Duration h: 48

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

toluene - CAS: 108-88-3

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Algae = 12500 Ppm - Duration h: 72

Endpoint: EC50 - Species: Algae > 433 Ppm - Duration h: 96



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- b) Aquatic chronic toxicity:  
Endpoint: NOEC - Species: Daphnia = 1000 Ppm - Duration h: 504  
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
- a) Aquatic acute toxicity:  
Endpoint: LC50 - Species: Fish = 191 mg/l - Duration h: 96  
Endpoint: EC50 - Species: Daphnia = 69 mg/l - Duration h: 48  
Endpoint: EC50 - Species: Algae = 110 mg/l - Duration h: 72

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None

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### 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.

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### 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

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

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  
IMDG-Storage notes: None

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### 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

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate is listed in TSCA Section 4.

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.



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- Section 304 – Hazardous substances: no substances listed.  
 Section 313 – Toxic chemical list: toluene, xylene [isomer mixture], 4-methylpentan-2-one; isobutyl methyl ketone, ethylbenzene, methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate.
- CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
 Substance(s) listed under CERCLA: n-butyl acetate - Reportable quantity: 5000 pounds  
 toluene - Reportable quantity: 1000 pounds  
 butanone - Reportable quantity: 5000 pounds  
 xylene [isomer mixture] - Reportable quantity: 100 pounds  
 4-methylpentan-2-one; isobutyl methyl ketone - Reportable quantity: 5000 pounds  
 ethylbenzene - Reportable quantity: 1000 pounds  
 methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - Reportable quantity: 1000 pounds.  
 Reportable quantity for mixture: 1305.483029 pounds.
- CAA - Clean Air Act  
 CAA listed substances:  
 n-butyl acetate is listed in CAA Section 111  
 toluene is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON  
 butanone is listed in CAA Section 111, Section 112(b) - HAP, Section 112(b) - HON  
 xylene [isomer mixture] 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  
 methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate 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  
 toluene is listed in CWA Section 311, Section 304, Section 307  
 xylene [isomer mixture] is listed in CWA Section 311, Section 304  
 4-methylpentan-2-one; isobutyl methyl ketone is listed in CWA Section 304  
 ethylbenzene is listed in CWA Section 311, Section 304, Section 307  
 methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate is listed in CWA Section 311.
- USA - State specific regulations
- California Proposition 65  
 Substance(s) listed under California Proposition 65:  
 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  
 toluene  
 butanone  
 xylene [isomer mixture]  
 4-methylpentan-2-one; isobutyl methyl ketone  
 ethylbenzene  
 methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate.
- New Jersey Right to know  
 Substance(s) listed under New Jersey Right to know:  
 n-butyl acetate  
 toluene  
 butanone  
 xylene [isomer mixture]  
 4-methylpentan-2-one; isobutyl methyl ketone  
 ethylbenzene  
 methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate.
- Pennsylvania Right to know  
 Substance(s) listed under Pennsylvania Right to know:  
 n-butyl acetate  
 toluene  
 butanone  
 xylene [isomer mixture]  
 4-methylpentan-2-one; isobutyl methyl ketone  
 ethylbenzene  
 methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate.

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## 16. OTHER INFORMATION

- Text of phrases referred to under heading 3:  
 H226 Flammable liquid and vapour.  
 H336 May cause drowsiness or dizziness.  
 H225 Highly flammable liquid and vapour.  
 H361 Suspected of damaging fertility or the unborn child.



## Safety Data Sheet

### Acrylic glossy top coat

H304 May be fatal if swallowed and enters airways.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H312 Harmful in contact with skin.  
H332 Harmful if inhaled.  
H317 May cause an allergic skin reaction.

Safety Data Sheet dated 5/20/2014, 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.                                      |
| 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).    |