

**\*\*\*Section 1 - IDENTIFICATION\*\*\***

**Material Name:** OBJET TANGOBLACK FLX973

**Chemical Family**

acrylic compounds

**Recommended Use**

This product is a cartridge containing ink. Under normal conditions of use, the substance is released from a cartridge only inside an appropriate printing system, and therefore, exposure is limited.

**Restrictions on Use**

None known.

**Manufacturer Information**

Objet, Inc.  
5 Fortune Drive  
Billerica, MA 01821  
E-mail: info@object.com, www.object.com

Phone: 1-877-489-9449

Emergency # +1 978 495 5580

**24 Hour Emergency Telephone Service**

- +49 722 97772280 - Europe - Multi lingual response
- +49 722 97772281 - Global - English Language response
- +1 978 495 5580 - USA - Multi lingual response
- +85 2 975 70887 - Asia Pacific - Multi lingual response
- +61 2 8011 4763 - Australia - Multi lingual response
- +86 15626070595 - China - Chinese response

**\*\*\*Section 2 - HAZARDS IDENTIFICATION\*\*\***

**Classification in accordance with 29 CFR 1910.1200**

- Skin Corrosion / Irritation, Category 2
- Eye Damage / Irritation, Category 2A
- Skin sensitizer, Category 1
- Toxic to Reproduction, Category 2
- Specific Target Organ Toxicity - Single Exposure, Category 3 (respiratory system)
- Hazardous to the Aquatic Environment - Chronic Hazard, Category 3

**GHS LABEL ELEMENTS**

**Symbol(s)**



**Signal Word**

WARNING

# Safety Data Sheet

Material Name OBJET TANGOBBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

## Hazard Statement(s)

Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction  
Suspected of damaging fertility or the unborn child  
May cause respiratory irritation  
Harmful to aquatic life with long lasting effects

## Precautionary Statement(s)

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapor or mist. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

### Response

IF exposed or concerned: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

### Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

### Disposal

Dispose in accordance with all applicable regulations.

### Hazard(s) Not Otherwise Classified

None known.

## \*\*\*Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS\*\*\*

| CAS        | Component   | Percent |
|------------|---|---------|
| --         | 2-Propenoic acid, 2-[[[(butylamino)carbonyl]oxy]ethyl ester | <30     |
| 5888-33-5  | Isobornyl acrylate  | <25     |
| --         | Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide             | <2      |
| 1330-20-7  | Xylenes (o-, m-, p- isomers)                                | 0.1-1   |
| 100-51-6   | Benzyl alcohol  | <0.5    |
| 52408-84-1 | Acrylic acid ester  | <0.3    |
| 138-86-3   | Dipentene   | <0.1    |
| 100-41-4   | Ethylbenzene  | <0.1    |
| 123-86-4   | n-Butyl acetate   | <0.1    |
| 108-65-6   | Propylene glycol monomethyl ether acetate                   | <0.1    |
| 1333-86-4  | Carbon black  | <0.1    |
| 5392-40-5  | Citral  | <0.01   |
| 128-37-0   | 2,6-Di-tert-butyl-p-cresol                                  | <0.01   |
| 123-92-2   | Isoamyl acetate   | <0.01   |
| 106-24-1   | Geraniol  | <0.01   |

# Safety Data Sheet

Material Name OBJET TANGOBBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

## Additional Information

Under normal conditions of use, the substance is released from a cartridge only inside an appropriate printing system, and therefore, exposure is limited. The liquid within the cartridges is considered hazardous, and the SDS has been prepared in case of exposure to the liquid.

## \*\*\*Section 4 - FIRST AID MEASURES\*\*\*

### Description of Necessary Measures

#### Inhalation

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

#### Skin

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

#### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Ingestion

If swallowed, get medical attention.

### Most Important Symptoms/Effects

#### Acute

respiratory tract irritation, skin irritation, eye irritation, allergic skin reaction

#### Delayed

allergic skin reaction, reproductive effects

### Indication of Immediate Medical Attention and Special Treatment

If adverse effects occur, treat symptomatically and supportively.

## \*\*\*Section 5 - FIRE FIGHTING MEASURES\*\*\*

### Suitable Extinguishing Media

Use extinguishing agents appropriate for surrounding fire. Class B fires: Use carbon dioxide (CO<sub>2</sub>), regular dry chemical (sodium bicarbonate), regular form (Aqueous Film Forming Foam-AFFF), or water spray to cool containers.

### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Chemical

Slight fire hazard.

### Hazardous Combustion Products

**Combustion:** oxides of carbon, oxides of nitrogen, oxides of phosphorus

### Fire Fighting Measures

Move container from fire area if it can be done without risk. Cool containers with water spray until well after the fire is out. Keep unnecessary people away, isolate hazard area and deny entry. Keep out of water supplies and sewers. Avoid inhalation of material or combustion by-products.

### Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure. Avoid inhalation of material or combustion by-products.

# Safety Data Sheet

Material Name OBJET TANGOBBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

## \*\*\*Section 6 - ACCIDENTAL RELEASE MEASURES\*\*\*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

### Methods and Materials for Containment and Cleaning Up

Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Flush area with water to remove trace residue. Avoid release to the environment.

## \*\*\*Section 7 - HANDLING AND STORAGE\*\*\*

### Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing vapor or mist. Wear protective gloves/clothing and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Wash thoroughly after handling.

### Conditions for Safe Storage, including any Incompatibilities

Store in accordance with all current regulations and standards. Store between 15 °C and 25 °C. Shipment temperature (up to 5 weeks) is -20 °C to 50 °C. Store in a combustible storage area away from heat and open flame. Store in a cool, dry place. Avoid direct sunlight. Keep in the dark. Keep separated from incompatible substances.

**Incompatibilities** Not applicable under normal conditions of use and storage.

## \*\*\*Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION\*\*\*

### Component Exposure Limits

#### Xylenes (o-, m-, p- isomers) (1330-20-7)

**ACGIH:** 100 ppm TWA  
150 ppm STEL

**Europe:** 50 ppm TWA (pure); 221 mg/m<sup>3</sup> TWA (pure)  
Possibility of significant uptake through the skin  
100 ppm STEL (pure); 442 mg/m<sup>3</sup> STEL (pure)

**OSHA (US):** 100 ppm TWA; 435 mg/m<sup>3</sup> TWA

**Mexico:** 100 ppm TWA LMPE-PPT; 435 mg/m<sup>3</sup> TWA LMPE-PPT  
150 ppm STEL [LMPE-CT]; 655 mg/m<sup>3</sup> STEL [LMPE-CT]

#### Propylene glycol monomethyl ether acetate (108-65-6)

**Europe:** 50 ppm TWA; 275 mg/m<sup>3</sup> TWA  
Possibility of significant uptake through the skin  
100 ppm STEL; 550 mg/m<sup>3</sup> STEL

#### n-Butyl acetate (123-86-4)

**ACGIH:** 150 ppm TWA  
200 ppm STEL

**NIOSH:** 150 ppm TWA; 710 mg/m<sup>3</sup> TWA  
200 ppm STEL; 950 mg/m<sup>3</sup> STEL  
1700 ppm IDLH (10% LEL)

**OSHA (US):** 150 ppm TWA; 710 mg/m<sup>3</sup> TWA

**Mexico:** 150 ppm TWA LMPE-PPT; 710 mg/m<sup>3</sup> TWA LMPE-PPT  
200 ppm STEL [LMPE-CT]; 950 mg/m<sup>3</sup> STEL [LMPE-CT]

#### Ethylbenzene (100-41-4)

**ACGIH:** 20 ppm TWA

**NIOSH:** 100 ppm TWA; 435 mg/m<sup>3</sup> TWA  
125 ppm STEL; 545 mg/m<sup>3</sup> STEL  
800 ppm IDLH (10% LEL)

**Europe:** 100 ppm TWA; 442 mg/m<sup>3</sup> TWA

# Safety Data Sheet

Material Name OBJET TANGOBBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

Possibility of significant uptake through the skin  
200 ppm STEL; 884 mg/m<sup>3</sup> STEL

**OSHA (US):** 100 ppm TWA; 435 mg/m<sup>3</sup> TWA

**Mexico:** 100 ppm TWA LMPE-PPT; 435 mg/m<sup>3</sup> TWA LMPE-PPT  
125 ppm STEL [LMPE-CT]; 545 mg/m<sup>3</sup> STEL [LMPE-CT]

## Carbon black (1333-86-4)

**ACGIH:** 3 mg/m<sup>3</sup> TWA (inhalable fraction)

**NIOSH:** 3.5 mg/m<sup>3</sup> TWA; 0.1 mg/m<sup>3</sup> TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)  
1750 mg/m<sup>3</sup> IDLH

**OSHA (US):** 3.5 mg/m<sup>3</sup> TWA

**Mexico:** 3.5 mg/m<sup>3</sup> TWA LMPE-PPT  
7 mg/m<sup>3</sup> STEL [LMPE-CT]

## Citral (5392-40-5)

**ACGIH:** 5 ppm TWA (inhalable fraction and vapor)

Skin - potential significant contribution to overall exposure by the cutaneous route

## 2,6-Di-tert-butyl-p-cresol (128-37-0)

**ACGIH:** 2 mg/m<sup>3</sup> TWA (inhalable fraction and vapor)

**NIOSH:** 10 mg/m<sup>3</sup> TWA

**Mexico:** 10 mg/m<sup>3</sup> TWA LMPE-PPT  
20 mg/m<sup>3</sup> STEL [LMPE-CT]

## Isoamyl acetate (123-92-2)

**ACGIH:** 50 ppm TWA

100 ppm STEL

**NIOSH:** 100 ppm TWA; 525 mg/m<sup>3</sup> TWA  
1000 ppm IDLH

**Europe:** 50 ppm TWA; 270 mg/m<sup>3</sup> TWA  
100 ppm STEL; 540 mg/m<sup>3</sup> STEL

**OSHA (US):** 100 ppm TWA; 525 mg/m<sup>3</sup> TWA

**Mexico:** 100 ppm TWA LMPE-PPT; 525 mg/m<sup>3</sup> TWA LMPE-PPT  
125 ppm STEL [LMPE-CT]; 655 mg/m<sup>3</sup> STEL [LMPE-CT]

## Component Analysis

There are no biological limit values for any of this product's components.

## Appropriate Engineering Controls

Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

## Individual Protection Measures, such as Personal Protective Equipment

### Eyes/Face Protection

Eye protection not required under normal conditions. Chemical goggles or safety glasses with side shields should be worn when handling a damaged cartridge.

### Skin Protection

Protective clothing is not required under normal conditions. Wear neoprene or nitrile impervious gloves when handling damaged cartridge. Wash contaminated clothing before reuse.

### Glove Recommendations

Wear neoprene or nitrile impervious gloves when handling damaged cartridge.

### Respiratory Protection

Respiratory protection is not generally needed when using this product.

# Safety Data Sheet

Material Name OBJET TANGOBBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

## \*\*\*Section 9 - PHYSICAL AND CHEMICAL PROPERTIES\*\*\*

|                          |                     |                                      |   |
|--------------------------|---------------------|--------------------------------------|---|
| <b>Physical State:</b>   | Liquid              | <b>Appearance:</b>                   | ink cartridge containing black liquid ink |
| <b>Color:</b>            | black               | <b>Physical Form:</b>                | liquid                                    |
| <b>Odor:</b>             | characteristic odor | <b>Odor Threshold:</b>               | Not available                             |
| <b>pH:</b>               | Not applicable      | <b>Melting Point:</b>                | Not available                             |
| <b>Boiling Point:</b>    | Not available       | <b>Decomposition:</b>                | Not available                             |
| <b>Flash Point:</b>      | >100 °C             | <b>Evaporation Rate:</b>             | Not available                             |
| <b>LEL:</b>              | Not available       | <b>UEL:</b>                          | Not available                             |
| <b>Vapor Pressure:</b>   | Not available       | <b>Vapor Density (air = 1):</b>      | Not available                             |
| <b>Density:</b>          | Not available       | <b>Specific Gravity (water = 1):</b> | Not available                             |
| <b>Water Solubility:</b> | Not available       | <b>Coeff. Water/Oil Dist:</b>        | Not available                             |
| <b>Auto Ignition:</b>    | Not available       | <b>Viscosity:</b>                    | Not available                             |
| <b>Volatility:</b>       | Not available       |                                      |   |

## \*\*\*Section 10 - STABILITY AND REACTIVITY\*\*\*

### Reactivity

Heating may cause a fire

### Chemical Stability

Store between 15 C and 25 C. Uncured ink will polymerize on exposure to light or heat rendering the product unusable. However, this reaction is not considered hazardous.

### Possibility of Hazardous Reactions

Uncured ink will polymerize on exposure to light.

### Conditions to Avoid

Avoid exposure to heat and light.

### Incompatible Materials

Not applicable under normal conditions of use and storage.

### Hazardous Decomposition

**Combustion:** oxides of carbon, oxides of nitrogen, oxides of phosphorus

## \*\*\*Section 11 - TOXICOLOGICAL INFORMATION\*\*\*

### Acute and Chronic Toxicity

No hazard is expected from the normal use of this product. While unlikely, uncured ink may leak from damaged ink cartridges and cause skin and eye irritation. Contact with skin may cause tingling sensation or skin irritation. Contact with eyes may cause eye irritation, inflammation, or eye damage.

### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

#### Xylenes (o-, m-, p- isomers) (1330-20-7)

Dermal LD50 Rabbit >4350 mg/kg; Inhalation LC50 Rat 29.08 mg/L 4 h; Oral LD50 Rat 3500 mg/kg

#### Benzyl alcohol (100-51-6)

Dermal LD50 Rabbit 2 g/kg; Inhalation LC50 Rat 8.8 mg/L 4 h; Oral LD50 Rat 1230 mg/kg

#### Propylene glycol monomethyl ether acetate (108-65-6)

Dermal LD50 Rabbit >5 g/kg; Oral LD50 Rat 8532 mg/kg

#### n-Butyl acetate (123-86-4)

Dermal LD50 Rabbit >17600 mg/kg; Inhalation LC50 Rat 390 ppm 4 h; Oral LD50 Rat 14.13 mg/kg

# Safety Data Sheet

Material Name OBJET TANGOBBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

## Ethylbenzene (100-41-4)

Dermal LD50 Rabbit 15400 mg/kg; Inhalation LC50 Rat 17.2 mg/L 4 h; Oral LD50 Rat 3500 mg/kg

## Citral (5392-40-5)

Dermal LD50 Rabbit 2250 mg/kg; Oral LD50 Rat 4950 mg/kg

## 2,6-Di-tert-butyl-p-cresol (128-37-0)

Dermal LD50 Rat >2000 mg/kg; Oral LD50 Rat 890 mg/kg

## Geraniol (106-24-1)

Dermal LD50 Rabbit >5 g/kg; Oral LD50 Rat 3600 mg/kg

## Acute Toxicity Level

### Xylenes (o-, m-, p- isomers) (1330-20-7)

Moderately Toxic: inhalation, ingestion

### Benzyl alcohol (100-51-6)

Moderately Toxic: inhalation, dermal absorption, ingestion

### Dipentene (138-86-3)

Moderately Toxic: inhalation, ingestion

### Propylene glycol monomethyl ether acetate (108-65-6)

Slightly Toxic: inhalation, ingestion

### n-Butyl acetate (123-86-4)

Highly Toxic: inhalation

Slightly Toxic: ingestion

### Ethylbenzene (100-41-4)

Moderately Toxic: ingestion

Slightly Toxic: inhalation, dermal absorption

### Citral (5392-40-5)

Moderately Toxic: ingestion

Slightly Toxic: dermal absorption

### 2,6-Di-tert-butyl-p-cresol (128-37-0)

Moderately Toxic: ingestion

### Geraniol (106-24-1)

Moderately Toxic: ingestion

### Isoamyl acetate (123-92-2)

Non Toxic: ingestion

## Information on Likely Routes of Exposure

### Inhalation

May cause respiratory irritation

### Ingestion

No hazard is expected from the normal use of this product.

### Skin Contact

May cause irritation. May cause an allergic skin reaction.

### Eye Contact

May cause irritation.

### Immediate Effects

respiratory tract irritation, skin irritation, eye irritation, allergic skin reaction

### Delayed Effects

allergic reactions, reproductive effects

### Medical Conditions Aggravated by Exposure

None known.

# Safety Data Sheet

Material Name OBJET TANGOBBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

## Irritation/Corrosivity Data

Contact with uncured ink may cause skin and eye irritation. Inhalation may cause respiratory tract irritation.

## Respiratory Sensitization

No data available for the mixture.

## Dermal Sensitization

Component data indicate the substance is sensitizing. Uncured ink may cause an allergic response in sensitized individuals.

## Carcinogenicity

### Component Carcinogenicity

#### Xylenes (o-, m-, p- isomers) (1330-20-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 71 [1999]; Monograph 47 [1989] (Group 3 (not classifiable))

#### Ethylbenzene (100-41-4)

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

IARC: Monograph 77 [2000] (Group 2B (possibly carcinogenic to humans))

DFG: Category 4 (no significant contribution to human cancer)

#### Carbon black (1333-86-4)

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans

IARC: Monograph 93 [2010]; Monograph 65 [1996] (Group 2B (possibly carcinogenic to humans))

DFG: Category 3B (could be carcinogenic for man, inhalable fraction)

#### Citral (5392-40-5)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

#### 2,6-Di-tert-butyl-p-cresol (128-37-0)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Supplement 7 [1987]; Monograph 40 [1986] (Group 3 (not classifiable))

DFG: Category 4 (no significant contribution to human cancer)

## Mutagenic Data

No data available for the mixture.

## Reproductive Effects Data

Available data characterizes components of this product as reproductive hazards.

## Tumorigenic Data

No data available for the mixture.

## Additional Data

Uncured ink may polymerize and adhere to tissue.

## Specific Target Organ Toxicity - Single Exposure

respiratory system

## Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

## Aspiration Hazard

No data available for the mixture.

## \* \* \*Section 12 - ECOLOGICAL INFORMATION\* \* \*

## Ecotoxicity

Harmful to aquatic life with long lasting effects.

## Component Analysis - Aquatic Toxicity

Data may be available for the product or its components (if applicable, see below).

### Xylenes (o-, m-, p- isomers) (1330-20-7)



# Safety Data Sheet

Material Name OBJET TANGOBBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

**Fish:** 96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static]

**Invertebrate:** 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L

## Benzyl alcohol (100-51-6)

**Fish:** 96 Hr LC50 Pimephales promelas: 460 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 10 mg/L [static]

**Invertebrate:** 48 Hr EC50 water flea: 23 mg/L

## Propylene glycol monomethyl ether acetate (108-65-6)

**Fish:** 96 Hr LC50 Pimephales promelas: 161 mg/L [static]

**Invertebrate:** 48 Hr EC50 Daphnia magna: >500 mg/L

## n-Butyl acetate (123-86-4)

**Fish:** 96 Hr LC50 Lepomis macrochirus: 100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 17 - 19 mg/L [flow-through]

**Algae:** 72 Hr EC50 Desmodesmus subspicatus: 674.7 mg/L

## Ethylbenzene (100-41-4)

**Fish:** 96 Hr LC50 Oncorhynchus mykiss: 11.0 - 18.0 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 4.2 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas: 7.55 - 11 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 32 mg/L [static]; 96 Hr LC50 Pimephales promelas: 9.1 - 15.6 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 9.6 mg/L [static]

**Algae:** 72 Hr EC50 Pseudokirchneriella subcapitata: 4.6 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: >438 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 2.6 - 11.3 mg/L [static]; 96 Hr EC50 Pseudokirchneriella subcapitata: 1.7 - 7.6 mg/L [static]

**Invertebrate:** 48 Hr EC50 Daphnia magna: 1.8 - 2.4 mg/L

## Citral (5392-40-5)

**Algae:** 72 Hr EC50 Desmodesmus subspicatus: 16 mg/L; 96 Hr EC50 Desmodesmus subspicatus: 19 mg/L

**Invertebrate:** 48 Hr EC50 Daphnia magna: 7 mg/L

## 2,6-Di-tert-butyl-p-cresol (128-37-0)

**Algae:** 72 Hr EC50 Pseudokirchneriella subcapitata: 6 mg/L; 72 Hr EC50 Desmodesmus subspicatus: >0.42 mg/L

## Persistence and Degradability

No data available.

## Bioaccumulative Potential

No data available.

## Mobility

No data available.

## Other Ecological Information

No additional information is available.

## \* \* \*Section 13 - DISPOSAL CONSIDERATIONS\* \* \*

### Disposal Methods

Dispose in accordance with all applicable regulations.

# Safety Data Sheet

Material Name OBJET TANGOBBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

Refer to manufacturer/supplier for information on recovery/recycling. Do not landfill. Avoid discharge into drains or surface water. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## Component Waste Numbers

**Xylenes (o-, m-, p- isomers) (1330-20-7)**

RCRA: waste number U239 (Ignitable waste)

## \*\*\*Section 14 - TRANSPORT INFORMATION\*\*\*

### US DOT Information

Not regulated as a hazardous material.

### IMDG Information

Not regulated as dangerous goods.

## \*\*\*Section 15 - REGULATORY INFORMATION\*\*\*

### Component Analysis

#### U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

**Xylenes (o-, m-, p- isomers) (1330-20-7)**

SARA 313: 1.0 % de minimis concentration

CERCLA: 100 lb final RQ; 45.4 kg final RQ

**n-Butyl acetate (123-86-4)**

CERCLA: 5000 lb final RQ; 2270 kg final RQ

**Ethylbenzene (100-41-4)**

SARA 313: 0.1 % de minimis concentration

CERCLA: 1000 lb final RQ; 454 kg final RQ

**Isoamyl acetate (123-92-2)**

CERCLA: 5000 lb final RQ; 2270 kg final RQ

#### SARA 311/312 Hazardous Categories

Acute Health: Yes Chronic Health: Yes Fire: No Pressure: No Reactive: No

#### U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

| Component                    | CAS       | CA  | MA  | MN  | NJ  | PA  |
|------------------------------|-----------|-----|-----|-----|-----|-----|
| Xylenes (o-, m-, p- isomers) | 1330-20-7 | Yes | Yes | Yes | Yes | Yes |
| Benzyl alcohol               | 100-51-6  | No  | Yes | Yes | No  | Yes |
| Dipentene                    | 138-86-3  | No  | No  | No  | Yes | No  |
| n-Butyl acetate              | 123-86-4  | Yes | Yes | Yes | Yes | Yes |
| Ethylbenzene                 | 100-41-4  | Yes | Yes | Yes | Yes | Yes |
| Carbon black                 | 1333-86-4 | Yes | Yes | Yes | Yes | Yes |
| 2,6-Di-tert-butyl-p-cresol   | 128-37-0  | Yes | Yes | Yes | Yes | Yes |
| Isoamyl acetate              | 123-92-2  | Yes | Yes | Yes | Yes | Yes |

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

# Safety Data Sheet

Material Name OBJET TANGOBBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

## Canada Regulations

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: D2A, D2B.

## Canadian WHMIS Ingredient Disclosure List (IDL)

No components are listed in the WHMIS IDL.

## Component Analysis

| Component   | CAS        | TSCA | DSL | NDSL |
|---|------------|------|-----|------|
| 2-Propenoic acid, 2-[[[(butylamino)carbonyl]oxy]ethyl ester | --         | Yes  | No  | Yes  |
| Isobornyl acrylate  | 5888-33-5  | Yes  | Yes | No   |
| Diphenyl-2,4,6-trimethylbenzoyl phosphine oxide             | --         | Yes  | Yes | No   |
| Xylenes (o-, m-, p- isomers)                                | 1330-20-7  | Yes  | Yes | No   |
| Benzyl alcohol  | 100-51-6   | Yes  | Yes | No   |
| Acrylic acid ester  | 52408-84-1 | Yes  | Yes | No   |
| Dipentene   | 138-86-3   | Yes  | Yes | No   |
| Propylene glycol monomethyl ether acetate                   | 108-65-6   | Yes  | Yes | No   |
| n-Butyl acetate   | 123-86-4   | Yes  | Yes | No   |
| Ethylbenzene  | 100-41-4   | Yes  | Yes | No   |
| Carbon black  | 1333-86-4  | Yes  | Yes | No   |
| Citral  | 5392-40-5  | Yes  | Yes | No   |
| 2,6-Di-tert-butyl-p-cresol                                  | 128-37-0   | Yes  | Yes | No   |
| Geraniol  | 106-24-1   | Yes  | Yes | No   |
| Isoamyl acetate   | 123-92-2   | Yes  | Yes | No   |

## \*\*\*Section 16 - OTHER INFORMATION\*\*\*

### Summary of Changes

New SDS: 1.0000

### NFPA Ratings: Health: 2 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DSL - Domestic Substances List; EIN (EINECS) - European Inventory of Existing Commercial Chemical Substances; ELN (ELINCS) - European List of Notified Chemical Substances; EPA - Environmental Protection Agency; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; Kow - Octanol/water partition coefficient; LEL - Lower Explosive Limit; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NTP - National Toxicology Program; OSHA - Occupational Safety and Health Administration; STEL - Short-term Exposure Limit; SARA - Superfund Amendments and Reauthorization Act; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; WHMIS - Workplace Hazardous Materials Information System; UEL - Upper Explosive Limit

# Safety Data Sheet

Material Name OBJET TANGOBLACK FLX973

SDS ID: DOC-06149US\_C USA  
In Compliance with Regulation  
29 CFR 1910.1200

## Other Information

The information in this safety data sheet is based on data and samples provided to a third party SDS author. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned in this safety data sheet. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question.

Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. Stratasys does not guarantee the accuracy or exhaustiveness of the information provided. Use of this safety data sheet is subject to the license and liability limiting conditions as stated in your license agreement. All intellectual property rights to this sheet are the property of Stratasys and its distribution and reproduction are limited.

End of Sheet DOC-06149US\_C