Safety Data Sheet
acc. to OSHA HCS

Printing date 01/08/2019 Reviewed on 01/08/2019

1 Identification

· **Product identifier**

· **Trade name: Series 747**

· **Article number: Series** 747

· **Application of the substance / the mixture** Printing inks

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
DECO TECHnology Group Inc.
PRINTCOLOR SCREEN AG
TEL (714) 639-3326
FAX (714) 639-2261

· **Information department:** Product safety department
· **Emergency telephone number:** 800-535-5053

2 Hazard(s) identification

· **Classification of the substance or mixture**


GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.


GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.
Repr. 2 H361 Suspected of damaging fertility or the unborn child.


GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**


GHS02 GHS07 GHS08

· **Signal word** Warning

· **Hazard-determining components of labeling:**
titanium dioxide
Dipentaerythritolhexaacrylat
diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide
2-hydroxyethyl methacrylate
2-phenoxyethyl acrylate
ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate

(Contd. on page 2)

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tripropylene glycol diacrylate
phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide
hexamethylene diacrylate
glycerol, propoxylated, esters with acrylic acid

· **Hazard statements**
Flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.

· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**

Health = 2
Fire = 2
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = 2
Fire = 2
Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

(Contd. on page 3)

(Contd. of page 2)

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**
· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 123-86-4	n-butyl acetate	10-25%
CAS: 13463-67-7	titanium dioxide	2.5-10%
CAS: 29570-58-9	Dipentaerythritolhexaacrylat	2.5-10%
CAS: 868-77-9	2-hydroxyethyl methacrylate	2.5-10%
CAS: 327622-75-3	Fatty acids, C18-unsatd., dimers, polymers with acrylic acid and 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	2.5-10%
CAS: 48145-04-6	2-phenoxyethyl acrylate	1-2.5%
CAS: 163702-01-0	Oligo[2-hydroxy-2-methyl-1-[4-(1-methylvinyl)phenyl]propanone]	1-2.5%
CAS: 7727-43-7	barium sulphate, natural	1-2.5%
CAS: 63225-53-6	2-[[(butylamino)carbonyl]oxy]ethyl acrylate	1-2.5%
CAS: 7473-98-5	2-hydroxy-2-methylpropiophenone	1-2.5%
CAS: 75980-60-8	diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide	1-2.5%
CAS: 1333-86-4	Carbon black	1-2.5%
CAS: 24599-21-1	2-(phosphonooxy)ethyl methacrylate	1-2.5%
CAS: 32435-46-4	bis(methacryloyloxyethyl) hydrogen phosphate	1-2.5%
CAS: 5888-33-5	exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate	1-2.5%
CAS: 84434-11-7	ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate	1-2.5%
CAS: 157811-87-5	Siloxanes and silicones, di-Me, hydrogen-terminated, reaction products with pentaerythritol tetraacrylate	1-2.5%
CAS: 42978-66-5	tripropylene glycol diacrylate	<0.5%
CAS: 162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	<0.5%
CAS: 13048-33-4	hexamethylene diacrylate	<0.5%
CAS: 52408-84-1	glycerol, propoxylated, esters with acrylic acid	<0.5%
CAS: 55818-57-0	4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	<0.5%
CAS: 15625-89-5	2,2-bis(acryloyloxymethyl)butyl acrylate	<0.5%

4 First-aid measures

· **Description of first aid measures**
· **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:** Rinse opened eye for several minutes under running water.
· **After swallowing:** If symptoms persist consult doctor.
· **Information for doctor:**
· **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

(Contd. on page 4)

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5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture** No further relevant information available.
· **Advice for firefighters**
· **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
· **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
· **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
CAS: 123-86-4	n-butyl acetate	5 ppm
CAS: 13463-67-7	titanium dioxide	30 mg/m³
CAS: 868-77-9	2-hydroxyethyl methacrylate	1.9 mg/m³
CAS: 7727-43-7	barium sulphate, natural	15 mg/m³
CAS: 1333-86-4	Carbon black	9 mg/m³
CAS: 9002-84-0	Polytetrafluoroethylene	12 mg/m³
CAS: 7631-86-9	silicon dioxide, chemically prepared	18 mg/m³
CAS: 13048-33-4	hexamethylene diacrylate	3 mg/m³
CAS: 1344-28-1	aluminium oxide	15 mg/m³
CAS: 79-10-7	acrylic acid	1.5 ppm
CAS: 97-88-1	n-butyl methacrylate	19 mg/m³
CAS: 150-76-5	mequinol	15 mg/m³
CAS: 80-62-6	methyl methacrylate	17 ppm

· **PAC-2:**		
CAS: 123-86-4	n-butyl acetate	200 ppm
CAS: 13463-67-7	titanium dioxide	330 mg/m³
CAS: 868-77-9	2-hydroxyethyl methacrylate	21 mg/m³
CAS: 7727-43-7	barium sulphate, natural	170 mg/m³
CAS: 1333-86-4	Carbon black	99 mg/m³
CAS: 9002-84-0	Polytetrafluoroethylene	130 mg/m³
CAS: 7631-86-9	silicon dioxide, chemically prepared	740 mg/m³
CAS: 13048-33-4	hexamethylene diacrylate	170 mg/m³
CAS: 1344-28-1	aluminium oxide	170 mg/m³
CAS: 79-10-7	acrylic acid	46 ppm

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CAS: 97-88-1	n-butyl methacrylate	210 mg/m³
CAS: 150-76-5	mequinol	49 mg/m³
CAS: 80-62-6	methyl methacrylate	120 ppm

· **PAC-3:**

CAS: 123-86-4	n-butyl acetate	3000* ppm
CAS: 13463-67-7	titanium dioxide	2,000 mg/m³
CAS: 868-77-9	2-hydroxyethyl methacrylate	1,000 mg/m³
CAS: 7727-43-7	barium sulphate, natural	990 mg/m³
CAS: 1333-86-4	Carbon black	590 mg/m³
CAS: 9002-84-0	Polytetrafluoroethylene	790 mg/m³
CAS: 7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m³
CAS: 13048-33-4	hexamethylene diacrylate	990 mg/m³
CAS: 1344-28-1	aluminium oxide	990 mg/m³
CAS: 79-10-7	acrylic acid	180 ppm
CAS: 97-88-1	n-butyl methacrylate	1,300 mg/m³
CAS: 150-76-5	mequinol	320 mg/m³
CAS: 80-62-6	methyl methacrylate	570 ppm

7 Handling and storage

· **Handling:**
· **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** No special requirements.
· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:** Keep receptacle tightly sealed.
· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Control parameters**
· **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

CAS: 123-86-4 n-butyl acetate	
PEL	Long-term value: 710 mg/m³, 150 ppm
REL	Short-term value: 950 mg/m³, 200 ppm Long-term value: 710 mg/m³, 150 ppm
TLV	Short-term value: 712 mg/m³, 150 ppm Long-term value: 238 mg/m³, 50 ppm

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CAS: 7727-43-7 barium sulphate, natural	
PEL	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV	Long-term value: 5* mg/m³ *inhalable fraction; E
CAS: 1333-86-4 Carbon black	
PEL	Long-term value: 3.5 mg/m³
REL	Long-term value: 3.5* mg/m³ *0.1 in presence of PAHs;See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m³ *inhalable fraction
CAS: 13048-33-4 hexamethylene diacrylate	
WEEL	Long-term value: 1 mg/m³ DSEN
CAS: 15625-89-5 2,2-bis(acryloyloxymethyl)butyl acrylate	
WEEL	Long-term value: 1 mg/m³ Skin

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
· **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
Butyl rubber, BR

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· **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Fluid
Color:	According to product specification
· **Odor:**	Characteristic
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· **Flash point:**	44 °C (111.2 °F) (Abel Pensky)
· **Ignition temperature:**	370 °C (698 °F)
· **Auto igniting:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	1.2 Vol %
Upper:	7.5 Vol %
· **Vapor pressure at 20 °C (68 °F):**	10.7 hPa (8 mm Hg)
· **Density:**	Not determined.
· **Solubility in / Miscibility with**	
Water:	Not miscible or difficult to mix.
· **Viscosity:**	
Dynamic:	Not determined.
VOC content:	12.5 % 238.3 g/l / 1.99 lb/gal
· **Other information**	No further relevant information available.

10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**
· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** No irritating effect.
· **Sensitization:** Sensitization possible through skin contact.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
CAS: 13463-67-7	titanium dioxide	2B
CAS: 1333-86-4	Carbon black	2B
CAS: 9002-84-0	Polytetrafluoroethylene	3
CAS: 7631-86-9	silicon dioxide, chemically prepared	3
CAS: 128-37-0	Butylated hydroxytoluene	3
CAS: 79-10-7	acrylic acid	3
CAS: 80-62-6	methyl methacrylate	3

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

12 Ecological information

· **Toxicity**
· **Aquatic toxicity:** No further relevant information available.
· **Persistence and degradability** No further relevant information available.
· **Behavior in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **General notes:**
Harmful to aquatic organisms
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Other adverse effects** No further relevant information available.

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13 Disposal considerations

· **Waste treatment methods**
· **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**	
· **DOT, ADR, IMDG, IATA**	UN1210
· **UN proper shipping name**	
· **DOT**	Printing ink
· **ADR**	1210 PRINTING INK
· **IMDG, IATA**	PRINTING INK
· **Transport hazard class(es)**	
· **DOT**	

· **Class**	3 Flammable liquids
· **Label**	3
· **ADR, IMDG, IATA**	

· **Class**	3 Flammable liquids
· **Label**	3
· **Packing group**	
· **DOT, ADR, IMDG, IATA**	III
· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Warning: Flammable liquids
· **Danger code (Kemler):**	30
· **EMS Number:**	F-E,S-D
· **Stowage Category**	A
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **UN "Model Regulation":**	UN 1210 PRINTING INK, 3, III

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

CAS: 7727-43-7	barium sulphate, natural
CAS: 1344-28-1	aluminium oxide
CAS: 79-10-7	acrylic acid
CAS: 80-62-6	methyl methacrylate

· **TSCA (Toxic Substances Control Act):**

CAS: 123-86-4	n-butyl acetate
CAS: 13463-67-7	titanium dioxide
CAS: 29570-58-9	Dipentaerythritolhexaacrylat
CAS: 60506-81-2	Dipnetaerythritol Pentaacrylate Esters
CAS: 868-77-9	2-hydroxyethyl methacrylate
CAS: 48145-04-6	2-phenoxyethyl acrylate
CAS: 7727-43-7	barium sulphate, natural
CAS: 63225-53-6	2-[[(butylamino)carbonyl]oxy]ethyl acrylate
CAS: 7473-98-5	2-hydroxy-2-methylpropiophenone
CAS: 75980-60-8	diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide
CAS: 1333-86-4	Carbon black
CAS: 24599-21-1	2-(phosphonooxy)ethyl methacrylate
CAS: 32435-46-4	bis(methacryloyloxyethyl) hydrogen phosphate
CAS: 5888-33-5	exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate
CAS: 157811-87-5	Siloxanes and silicones, di-Me, hydrogen-terminated, reaction products with pentaerythritol tetraacrylate
CAS: 954-16-5	2,4,6-trimethylbenzophenone
	Pigment Yellow 151
CAS: 9002-84-0	Polytetrafluoroethylene
CAS: 40220-08-4	(2,4,6-trioxo-1,3,5-triazinane-1,3,5-triyl)triethylene triacrylate
CAS: 7631-86-9	silicon dioxide, chemically prepared
CAS: 42978-66-5	tripropylene glycol diacrylate
CAS: 162881-26-7	phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide
CAS: 13048-33-4	hexamethylene diacrylate
CAS: 52408-84-1	glycerol, propoxylated, esters with acrylic acid
CAS: 55818-57-0	4,4'-isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid
CAS: 15625-89-5	2,2-bis(acryloyloxymethyl)butyl acrylate

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CAS: 128-37-0	Butylated hydroxytoluene
CAS: 1344-28-1	aluminium oxide
CAS: 4986-89-4	pentaerythritol tetraacrylate
CAS: 79-10-7	acrylic acid

· **TSCA new (21st Century Act) (Substances not listed)**

CAS: 327622-75-3	Fatty acids, C18-unsatd., dimers, polymers with acrylic acid and 1,3,5-tris(2-hydroxyethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione
CAS: 163702-01-0	Oligo[2-hydroxy-2-methyl-1-[4-(1-methylvinyl)phenyl]propanone]
CAS: 32435-46-4	bis(methacryloyloxyethyl) hydrogen phosphate
CAS: 84434-11-7	ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate
CAS: 157811-87-5	Siloxanes and silicones, di-Me, hydrogen-terminated, reaction products with pentaerythritol tetraacrylate

· **Proposition 65**

· **Chemicals known to cause cancer:**

CAS: 13463-67-7	titanium dioxide
CAS: 1333-86-4	Carbon black

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

CAS: 7727-43-7	barium sulphate, natural	D, CBD(inh), NL(oral)
CAS: 80-62-6	methyl methacrylate	E, NL

· **TLV (Threshold Limit Value established by ACGIH)**

CAS: 13463-67-7	titanium dioxide	A4
CAS: 1333-86-4	Carbon black	A4
CAS: 128-37-0	Butylated hydroxytoluene	A4
CAS: 1344-28-1	aluminium oxide	A4
CAS: 79-10-7	acrylic acid	A4
CAS: 80-62-6	methyl methacrylate	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

CAS: 13463-67-7	titanium dioxide
CAS: 1333-86-4	Carbon black

· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Warning

· **Hazard-determining components of labeling:**
titanium dioxide

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Dipentaerythritolhexaacrylat
diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide
2-hydroxyethyl methacrylate
2-phenoxyethyl acrylate
ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate
tripropylene glycol diacrylate
phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide
hexamethylene diacrylate
glycerol, propoxylated, esters with acrylic acid

· **Hazard statements**
Flammable liquid and vapor.
Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.

· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Specific treatment (see on this label).
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Product safety department
· **Contact:** hse@printcolor.ch
· **Date of preparation / last revision** 01/08/2019 / 2
· **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances

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printcolor high performance inks

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/08/2019 Reviewed on 01/08/2019

Trade name: Series 747

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ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Liq. 3: Flammable liquids – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2