



Safety Data Sheet

Material Name: OBJET SUPPORT SUP707

SDS ID: DOC-06160_C
In Compliance with Regulation
(EC) 1907/2006 (REACH) as
Amended

Section 1 - IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier:

Material Name: OBJET SUPPORT SUP707

Chemical Family

acrylic compounds

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses

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.

Uses Advised Against

None known.

Manufacturer Information

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Section 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No 1272/2008

Acute Toxicity (Oral), Category 4

Eye damage/irritation, Category 1

Skin sensitizer, Category 1

Specific Target Organ Toxicity - Repeated Exposure, Category 2

Classification according to Directives 67/548/EEC and/or 1999/45/EC

R22 Harmful if swallowed.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

R48 Danger of serious damage to health by prolonged exposure.

2.2 Label Elements

Labeling according to Regulation (EC) 1272/2008/EC:

Symbol(s)



Signal Word

DANGER

Hazard Statement(s)

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

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

Precautionary Statement(s)

Prevention

P280 Wear protective gloves and eye/face protection. P261 Avoid breathing vapor or mist.

Response

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P363 Wash contaminated clothing before reuse.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Labeling according to Directive 67/548/EEC and/or 1999/45/EC

Symbols



Xn

S2 Keep out of the reach of children.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S46 If swallowed, seek medical advice immediately and show this container or label.

S60 This material and its container must be disposed of as hazardous waste.

2.3 Other Hazards

None known.



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Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS EC No Registration No	Component Synonyms	67/548 EEC (DSD)	1272/2008 (CLP)	Percent
Trade Secret -- --	Alkoxylated trimethylolpropane			<60
--	Acrylic monomer	Xn; R:22-41-43- 48/22	Acute Tox. 4 (Oral) Eye Dam. 1 Skin Sens. 1 STOT RE 2	<40
7732-18-5 231-791-2 --	Water			<15
--	Photoinitiator			<2
Trade Secret --	Photoinitiator	Xi; R:43-53	Skin Sens. 1 Aquatic Chronic 4	<0.5
Trade Secret -- --	Silicone surfactant			<1.2
15305-07-4 239-341-7 --	Aluminum, tris(N-hydroxy-N- nitrosobenzenaminato-O,O')-			<0.1

Notes: B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 of Annex VI entries with Note B have a general designation of the following type: "nitric acid ...%". In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Additional Information

Notes: 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 MSDS has been prepared in case of exposure to the liquid.

Section 4 - FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin

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.



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Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

Acute

eye damage, allergic skin reaction

Delayed

allergic skin reaction, May cause damage to organs through prolonged or repeated exposure

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians

No special instructions.

* * *Section 5 - FIRE FIGHTING MEASURES* * *

5.1 Extinguishing Media

Use extinguishing agents appropriate for surrounding fire. Class B fires: Use carbon dioxide (CO₂), regular dry chemical (sodium bicarbonate), regular form (Aqueous Film Forming Foam-AFFF), or water spray to cool containers.

Unsuitable Extinguishing Media

None known.

5.2 Special Hazards Arising from the Substance or Mixture

Slight fire hazard.

Thermal Decomposition Products

Combustion: oxides of carbon

5.3 Advice for Firefighters

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.

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.

* * *Section 6 - ACCIDENTAL RELEASE MEASURES* * *

Occupational Spill / Release

Intact cartridges do not pose a leak or spill hazard. Damaged cartridges may leak uncured ink. Stop leak if possible without personal risk. Reduce vapors with water spray. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers.

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

See Section 8 for personal protection information.

6.2 Environmental Precautions

Avoid release to the environment.



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6.3 Methods and Material 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.

6.4 Reference to Other Sections

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations. See Section 13 for Disposal Considerations.

Section 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves and eye/face protection. Avoid breathing vapors or fumes. Contaminated work clothing should not be allowed out of the workplace.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in accordance with all current regulations and standards. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Store between 15 °C and 25 °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.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Component Exposure Limits

Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Gibraltar, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Romania, Slovak Republic, Slovenia, Spain, Sweden and United Kingdom have not developed exposure limits for any of this product's components.

Biological Limit Value

Component Analysis

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

Derived No Effect Levels (DNELs)

No DNELs available.

Predicted No Effect Concentrations (PNECs)

No PNECs available.

8.2 Exposure Controls

Appropriate Engineering Controls

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

Eye / 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.



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Respiratory Protection

Respiratory protection is not generally needed when using this product.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

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

9.2 Other Information

No additional information is available.

Section 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Heating may cause a fire

10.2 Chemical Stability

Store between 15 °C and 25 °C (59 °F and 77 °F).

10.3 Possibility of Hazardous Reactions

Uncured ink will polymerize on exposure to light or heat rendering the product unusable. However, this reaction is not considered hazardous.

10.4 Conditions to Avoid

Avoid exposure to heat and light.

10.5 Incompatible Materials

Not applicable

10.6 Hazardous Decomposition Products

Thermal Decomposition Products

Combustion: oxides of carbon

Section 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

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.



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Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

Irritation / Corrosivity

Contact with uncured ink may cause eye damage and skin irritation.

Respiratory Sensitization

No data available.

Skin Sensitization

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

Germ Cell Mutagenicity

No data available for the mixture.

Carcinogenicity

Component Carcinogenicity

None of this product's components are listed by IARC or DFG.

Reproductive Toxicity

No data available for the mixture.

Specific Target Organ Toxicity - Single Exposure

eyes, skin

Specific Target Organ Toxicity - Repeated Exposure

May cause damage to organs through prolonged or repeated exposure

Aspiration Hazard

No data available.

Section 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

12.2 Persistence and Degradability

No information available.

12.3 Bioaccumulative Potential

No information available.

12.4 Mobility in Soil

No information available.

12.5 Results of PBT and vPvB Assessment

No information available.

EU - Interim Strategy for Management of PBT and vPvB Substances (PBT Assessments)

No components of this material are listed.

12.6 Other Adverse Effects

No information available.

Section 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Dispose in accordance with all applicable regulations.



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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. Hazardous Waste Number(s): 08 03 12*

Section 14 - TRANSPORT INFORMATION

Transportation

Not regulated as a hazardous material.

International Bulk Chemical Code

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Section 15 - REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

EU - REACH (1907/2006) - Annex XIV List of Substances Subject to Authorisation

No components of this material are listed.

EU - REACH (1907/2006) - Article 59(1) Candidate List of Substances for Eventual Inclusion in Annex XIV

No components of this material are listed.

EU - REACH (1907/2006) - Annex XVII Restrictions of Certain Dangerous Substances, Mixtures and Articles

No components of this material are listed.

Germany Regulations

Germany Water Classification

Morpholine, 4-(1-oxo-2-propenyl)- (5117-12-4)

ID Number 6697, hazard class 2 - hazard to waters

Methanone, (1-hydroxycyclohexyl)phenyl- (947-19-3)

ID Number 2124, not considered hazardous to water

Phosphine oxide, phenylbis(2,4,6-trimethylbenzoyl)- (Trade Secret)

ID Number 2126, hazard class 1 - low hazard to waters

Denmark Regulations

Environmental Protection Agency List of Undesirable Substances

No components of this material are listed.

Advisory List for Self-Classification of Dangerous Substances

Methanone, (1-hydroxycyclohexyl)phenyl- (947-19-3)

Advisory List for CLP-Classifications

Methanone, (1-hydroxycyclohexyl)phenyl- (947-19-3)

Chron3



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EU Inventory

Substance Analysis - Inventory

Component	CAS	EEC
Alkoxylated trimethylolpropane	Trade Secret	No
Acrylic monomer	--	ELN
Water	7732-18-5	EIN
Photoinitiator	--	EIN
Photoinitiator	Trade Secret	ELN
Aluminum, tris(N-hydroxy-N-nitrosobenzenaminato-O,O')-	15305-07-4	EIN

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the substance/mixture.

* * *Section 16 - OTHER INFORMATION* * *

16.1 Indication of changes

New SDS: July 8, 2013

16.2 Key / Legend

ADR - European Road Transport; EEC - European Economic Community; EIN (EINECS) - European Inventory of Existing Commercial Chemical Substances; ELN (ELINCS) - European List of Notified Chemical Substances; 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; RID - European Rail Transport; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TWA - Time Weighted Average; UEL - Upper Explosive Limit

16.3 Key literature references and sources for data

Available upon request

16.4 Methods used for classification of mixture according to Regulation (EC) No 1272/2008

Available upon request

16.5 Full Text of R Phrases in Section 3

R22 Harmful if swallowed.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

R48 Danger of serious damage to health by prolonged exposure.

16.6 Training Advice

Read the Safety Data Sheet before handling product.

16.7 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.



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