SAFETY DATA SHEET

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Issuing Date 02-Jan-2022 **Revision Date** 02-Jan-2022 **Revision Number 2.06**

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

1.1. Product identifier

Product Code(s)	SDS-06173 EN E
Product Name	Agilus30™, FLX935
PN (Part Number)	OBJ-03328, OBJ-18009, OBJ-03382, OBJ-06301, OBJ-18034, OBJ-06307
Denmark PR No	N/A
Chemical name	Acrylic formulation
Pure substance/mixture	Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use	Printing inks.
Uses advised against	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

1.3. Details of the supplier of the safety data sheet

Importer
Stratasys EMEA Regional Office
Airport Boulevard B 120
77836 Rheinmünster, Germany
Phone: +49-7229-7772-0

For further information, please contact
E-mail address info@Stratasys.com

1.4. Emergency telephone number

Emergency Telephone	+44 1235 239670 - Europe - Multi lingual response
Austria	Poison Information Centre (AT): +43-(0)1-406 43 43
Belgium	Poison Centre (BE): +32 70 245 245
Bulgaria	Poison Center (BG): +359 (0)2 9154 233
Croatia	Poison Control (CR): +385 1 2348 342
Czech Republic	Poison Control (CS): +420 224 919 293, +420 224 915 402
Denmark	Poison Control Hotline (DK): +45 82 12 12 12
Estonia	Poison Control (ET): 112, 16662, +372 7943 794
Finland	Poison Information Centre (FI): +358 9 471 977
France	ORFILA (FR): + 01 45 42 59 59
Greece	Poison Information Center (EL): +30 210 779 3777 Emergency Poison Centre telephone number, Aglaia Kyriakou Children's Hospital
Hungary	Poison Information Service (HU): +36 (06) 80 201-199

Ireland	+353 (0)1 809 2166 – public poisons information line
Italy	Poison Centre, Milan (IT): +39 02 6610 1029
Latvia	State Fire and Rescue Service, phone number: 112. State Toxicology Center, Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1079, phone number +371 67042473
Lithuania	Poison Information Office (LT): 112, +370 (8)5 236 20 52, +370 (8)6 875 33 78
Netherlands	National Poisons Information Center (NVIC): 030-274 8888 (Only for the purpose of informing medical personnel in cases of acute intoxications)
Norway	Poisons Information (NO): + 47 22 591300
Portugal	Poison Information Centre (PT): +351 808 250 250
Slovakia	Poison Information Service (SK): +421 911 166066
Spain	Poison Information Service (ES): +34 91 562 04 20
Sweden	112 – ask for Poisons Information
Switzerland	Tox Info Suisse: 145, +41 44 251 51 51

Section 2: HAZARDS IDENTIFICATION

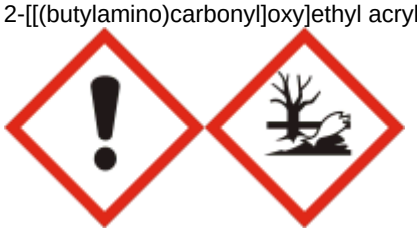
2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1A - (H317)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label elements

Contains 2-[[(butylamino)carbonyl]oxy]ethyl acrylate (main constituent >84%), Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate, 2-[[(butylamino)carbonyl]oxy]ethyl acrylate (main constituent <84%), Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide



Signal word

Warning

Hazard statements

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P271 - Use only outdoors or in a well-ventilated area
P273 - Avoid release to the environment
P280 - Wear protective gloves and eye/face protection
P391 - Collect spillage
P405 - Store locked up
P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

Toxic to aquatic life.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Chemical name	EC No	CAS No	Index no.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Proprietary	No information available	-	-	30-50	Acute Tox. 3 (H331) Skin Sens. 1A (H317) Aquatic Chronic 2 (H411)	01-2120751208-56-XXXX
Proprietary	No information available	-	-	10-30	Skin Irrit. 2 (H315) Eye Irrit.2 (H319) Skin Sens. 1B (H317) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	01-2119957862-25-XXXX
Proprietary	No information available	-	-	10-30	Acute Tox. 4 (H332) Skin Sens. 1A (H317) Aquatic Chronic 2 (H411)	01-2120751208-56-XXXX
Proprietary	No information available	-	-	0.3-1	Skin Sens. 1A (H317) Aquatic Chronic 4 (H413)	No data available
Glycerol, propoxylated, esters with acrylic acid	500-114-5	52408-84-1	-	0.3-1	Eye Irrit. 2 (H319) Skin Sens. 1B (H317)	No data available
Acrylic acid, 2-hydroxyethyl ester	212-454-9	818-61-1	607-072-00-8	0.3-1	Acute Tox. 4 (H302) Acute Tox. 2 (H310) Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1 (H317) STOT SE 3 (H335) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)	01-2119459345-34-XXXX
Stabilizer	-	-	-	0.1-0.3	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol	204-881-4	128-37-0	-	0.1-0.3	Acute Tox. 4 H302 Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
camphene	201-234-8	79-92-5	-	0.1-0.3	Flam. Sol. 2 (H228) Eye Irrit. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
1,7,7-Trimethyltricyclo[2.2.1.02,6]heptane	208-083-7	508-32-7	-	0.1-0.3	Eye Irrit.2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Methanol	200-659-6	67-56-1	603-001-00-X	<0.1	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) STOT SE 1 (H370) Flam. Liq. 2 (H225)	No data available
Heptane	205-563-8	142-82-5	-	<0.1	Skin Irrit. 2 (H315) STOT SE 3 (H336) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Flam. Liq. 2 (H225)	No data available

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical

attention immediately if symptoms occur. If symptoms persist, call a doctor. If breathing has stopped, give artificial respiration. Get medical attention immediately.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.

Skin contact May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor. Wash off immediately with soap and plenty of water for at least 15 minutes.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid breathing vapours or mists. Use personal protective equipment as required. See section 8 for more information.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Itching. Rashes. Hives. Burning sensation. Coughing and/ or wheezing. Difficulty in breathing.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

Section 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing agent suitable for type of surrounding fire
Class B fires: Use carbon dioxide (CO_2), regular dry chemical (sodium bicarbonate), regular foam (Aqueous Film Forming Foam-AFFF), or water spray to cool containers

Unsuitable extinguishing media No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product is or contains a sensitiser. May cause sensitisation by skin contact.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Move containers from fire area if you can do it without risk. Cool containers with flooding quantities of water until well after fire is out. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Keep out of drains, sewers, ditches and waterways. Inhalation is a health risk. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid breathing vapours or mists.

Occupational Spill Release Intact cartridges do not pose a leak or spill hazard. Damaged cartridges may leak uncured

ink. Stop leak if you can do it without risk Use water spray to reduce vapours or divert vapour cloud drift Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container Keep out of drains, sewers, ditches and waterways

Other Information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so.

6.3. Methods and material for containment and cleaning up

Methods for containment Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Avoid breathing vapours or mists. Wash thoroughly after handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Do not eat, drink or smoke when using this product.

General hygiene considerations Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a cool, dry area away from potential sources of heat, open flames, sunlight or other chemicals. Store in a cool, well ventilated area. Store in accordance with local regulations. Keep container tightly closed. Store between 15 °C and 27 °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.

Hints on joint storage

Storage class LGK10 - Combustible liquids unless storage class 3

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure disclaimer Personal protection measures are only needed if cartridge is damaged punctured causing spillage of material.

8.1. Control parameters

Exposure Limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol 128-37-0	-	TWA: 10 mg/m³ STEL: 30 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³
camphene 79-92-5	-	-	TWA: 1000 mg/m³ STEL: 1500 mg/m³	-	-
1,7,7-Trimethyltricyclo[2.2.1.02,6]heptane 508-32-7	-	-	TWA: 1000 mg/m³ STEL: 1500 mg/m³	-	-
Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ *	TWA: 200 ppm TWA: 266 mg/m³ STEL: 250 ppm STEL: 333 mg/m³ Sk*	TWA: 200 ppm TWA: 260 mg/m³ STEL: 1000 ppm STEL: 1300 mg/m³ *	TWA: 200 ppm TWA: 266 mg/m³ vía dérmica*	TWA: 100 ppm TWA: 130 mg/m³ H*
Heptane 142-82-5	TWA 500 ppm TWA 2085 mg/m³	TWA: 500 ppm TWA: 2085 mg/m³ STEL: 1500 ppm STEL: 6255 mg/m³	TWA: 400 ppm TWA: 1668 mg/m³ TWA: 1000 mg/m³ STEL: 500 ppm STEL: 2085 mg/m³ STEL: 1500 mg/m³	TWA: 500 ppm TWA: 2085 mg/m³	TWA: 500 ppm TWA: 2100 mg/m³

Chemical name	Italy	Portugal	Netherlands	Finland	Denmark
Acrylic acid, 2-hydroxyethyl ester 818-61-1	-	-	-	-	TWA: 1 ppm TWA: 5 mg/m³ H*
2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol 128-37-0	-	TWA: 2 mg/m³	-	TWA: 10 mg/m³ STEL: 20 mg/m³	TWA: 10 mg/m³
Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ pelle*	TWA: 200 ppm TWA: 260 mg/m³ STEL: 250 ppm P*	TWA: 133 mg/m³ H*	TWA: 200 ppm TWA: 270 mg/m³ STEL: 250 ppm STEL: 330 mg/m³ iho*	TWA: 200 ppm TWA: 260 mg/m³ H*
Heptane 142-82-5	TWA: 500 ppm TWA: 2085 mg/m³	TWA: 500 ppm TWA: 2085 mg/m³ STEL: 500 ppm	TWA: 1200 mg/m³ STEL: 1600 mg/m³	TWA: 300 ppm TWA: 1200 mg/m³ STEL: 500 ppm STEL: 2100 mg/m³	TWA: 200 ppm TWA: 820 mg/m³

Chemical name	Austria	Switzerland	Poland	Norway	Ireland
2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol 128-37-0	TWA: 10 mg/m³	TWA: 10 mg/m³ STEL: 40 mg/m³	-	-	TWA: 2 mg/m³ STEL: 6 mg/m³
Methanol 67-56-1	TWA: 200 ppm TWA: 260 mg/m³ STEL 800 ppm STEL 1040 mg/m³ H*	TWA: 200 ppm TWA: 260 mg/m³ STEL: 400 ppm STEL: 520 mg/m³ H*	STEL: 300 mg/m³ TWA: 100 mg/m³	TWA: 100 ppm TWA: 130 mg/m³ STEL: 150 ppm STEL: 162.5 mg/m³ H*	TWA: 200 ppm TWA: 260 mg/m³ STEL: 600 ppm STEL: 780 mg/m³ Sk*
Heptane 142-82-5	TWA: 500 ppm TWA: 2000 mg/m³ STEL 2000 ppm STEL 8000 mg/m³	TWA: 400 ppm TWA: 1600 mg/m³ STEL: 400 ppm STEL: 1600 mg/m³	STEL: 2000 mg/m³ TWA: 1200 mg/m³	TWA: 200 ppm TWA: 800 mg/m³ TWA: 40 ppm TWA: 275 mg/m³ STEL: 250 ppm STEL: 1000 mg/m³ STEL: 60 ppm STEL: 343.75 mg/m³	TWA: 500 ppm TWA: 2085 mg/m³ STEL: 1500 ppm STEL: 6255 mg/m³

Chemical name	Sweden	Slovakia			

Chemical name	Sweden	Slovakia			
Acrylic acid, 2-hydroxyethyl ester 818-61-1	NGV: 1 ppm NGV: 5 mg/m³ Sensitizer * Vägledande KGV: 2 ppm Vägledande KGV: 10 mg/m³		-	-	-
Methanol 67-56-1	NGV: 200 ppm NGV: 250 mg/m³ * Vägledande KGV: 250 ppm Vägledande KGV: 350 mg/m³	TWA: 200 ppm TWA: 260 mg/m³ K*	-	-	-
Heptane 142-82-5	NGV: 200 ppm NGV: 800 mg/m³ NGV: 350 mg/m³ Vägledande KGV: 300 ppm Vägledande KGV: 1200 mg/m³	TWA: 500 ppm TWA: 2085 mg/m³	-	-	-

Biological occupational exposure limits

Chemical name	European Union	United Kingdom	France	Spain	Germany
Methanol 67-56-1	-	-	-	15	15 mg/L
Chemical name	**Austria**	**Switzerland**	**Poland**	**Norway**	**Ireland**
Methanol 67-56-1	-	30	-	-	-

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear safety glasses with side-shields.

Hand Protection Wear suitable gloves. Impervious gloves.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing.

Environmental exposure controls No information available.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Ink cartridge
Odour	Characteristic
Colour	clear
Odour threshold	No information available

Property	**Values**	**Remarks • Method**
pH	N/A	
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	116 °C	IP 523 Procedure B , CC (closed cup)
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit	No data available	
Vapour pressure	No data available	None known
Vapour density	No data available	None known
Relative density	1.07	g/cm3
Water solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No information available	
Oxidising properties	No information available	

9.2. Other information

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Liquid Density	No information available
Bulk density	No information available
Particle Size	No information available
Particle Size Distribution	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity Heating may cause a fire.

10.2. Chemical stability

Stability Decomposes on exposure to light. Unstable if heated.

Explosion data

Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Uncured ink will polymerize on exposure to light.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to heat and light.

10.5. Incompatible materials

Incompatible materials Not applicable under normal conditions of use and storage.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal Decomposition Products. Combustion: oxides of carbon.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation May cause irritation of respiratory tract. (based on components). Harmful by inhalation.

Eye contact Irritating to eyes. (based on components). Causes serious eye irritation.

Skin contact May cause sensitisation by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. (based on components).

Information on toxicological effects

Symptoms Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes. Coughing and/ or wheezing.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document mg/kg
ATEmix (dermal) 11,113.30 mg/kg
ATEmix (inhalation-dust/mist) 1.02 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Proprietary	-	-	0.5 - 1 mg/L (Rat) 4 h
Proprietary	= 4890 mg/kg = 4890 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-
Proprietary	-	-	0.5 - 1 mg/L (Rat) 4 h
Proprietary	> 2000 mg/kg > 2000 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
Glycerol, propoxylated, esters with acrylic acid	-	> 2000 mg/kg (Rabbit)	-
Acrylic acid, 2-hydroxyethyl ester	= 548 mg/kg = 548 mg/kg (Rat)	> 1000 mg/kg (Rat)	-
2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol	> 2930 mg/kg > 2930 mg/kg (Rat)	> 2000 mg/kg (Rat)	-
camphene	> 5 g/kg > 5 g/kg (Rat)	> 2500 mg/kg (Rabbit)	-

Methanol	= 6200 mg/kg = 6200 mg/kg (Rat)	= 15840 mg/kg (Rabbit)	= 22500 ppm (Rat) 8 h
Heptane	-	= 3000 mg/kg (Rabbit)	> 73.5 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Irritating to skin.

Serious eye damage/eye irritation Classification based on data available for ingredients. Irritating to eyes.

Respiratory or skin sensitisation May cause sensitisation by skin contact. Classification based on data available for ingredients.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.
STOT - single exposure Classification based on data available for ingredients.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects

Unknown aquatic toxicity Contains 72.50349 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Proprietary	1.98 mg/l Fresh water	0.704 mg/l Fresh water	-	0.524 mg/l Fresh water
Proprietary	-	90: 96 h Danio rerio µg/L LC50 semi-static	-	-
Glycerol, propoxylated, esters with acrylic acid	-	5.74: 96 h Danio rerio mg/L LC50 static	-	-
Acrylic acid, 2-hydroxyethyl ester	-	4.8: 96 h Pimephales promelas mg/L LC50 flow-through	-	0.78: 48 h Daphnia magna mg/L EC50
2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol	6: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.42: 72 h Desmodesmus subspicatus mg/L EC50	-	-	-
camphene	1000: 72 h Desmodesmus subspicatus mg/L EC50	0.72: 96 h Brachydanio rerio mg/L LC50 flow-through 150: 96 h Brachydanio rerio mg/L LC50 static	-	22: 48 h Daphnia magna mg/L EC50
Methanol	-	13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss	-	-

		mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static		
Heptane	-	375.0: 96 h Cichlid fish mg/L LC50	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
Acrylic acid, 2-hydroxyethyl ester	0.21
2,6-Bis(1,1-Dimethylethyl)-4-Methyl-Phenol	4.17
Methanol	-0.77
Heptane	4.66

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

12.6. Other adverse effects

Other adverse effects No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

Waste codes / waste designations according to EWC / AVV 08 03 12* Waste ink containing dangerous substances.

Section 14: TRANSPORT INFORMATION

Additional information The environmentally hazardous substance mark is not required when transported in sizes of ≤5L or ≤5kg
The marine pollutant mark is not required when transported in sizes of ≤5L or ≤5kg

IMDG
14.1 UN number or ID number UN3082

14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-[[(butylamino)carbonyl]oxy]ethyl acrylate (main constituent >84%), Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate), 9, III, Marine pollutant
14.5 Marine pollutant	This product contains a chemical which is listed as a severe marine pollutant according to IMDG/IMO
Environmental hazards	Yes
14.6 Special Provisions	274, 335, 969
EmS-No	F-A, S-F
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	No information available

RID

14.1 UN number or ID number	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es)	9
Labels	9
14.4 Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-[[(butylamino)carbonyl]oxy]ethyl acrylate (main constituent >84%), Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate), 9, III
14.5 Environmental hazards	Yes
14.6 Special Provisions	274, 335, 375, 601
Classification code	M6

ADR

14.1 UN number or ID number	3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es)	9
Labels	9
14.4 Packing group	III
Description	3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-[[(butylamino)carbonyl]oxy]ethyl acrylate (main constituent >84%), Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate), 9, III
14.5 Environmental hazards	Yes
14.6 Special Provisions	274, 335, 601, 375
Classification code	M6
Tunnel restriction code	(-)

IATA

14.1 UN number or ID number	UN3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-[[(butylamino)carbonyl]oxy]ethyl acrylate (main constituent >84%), Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate), 9, III
14.5 Environmental hazards	Yes
14.6 Special Provisions	A97, A158, A197
ERG Code	9L

Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations
France
Occupational Illnesses (R-463-3, France)

Chemical name	French RG number	Title
Acrylic acid, 2-hydroxyethyl ester 818-61-1	RG 65	-
Methanol 67-56-1	RG 84	-
Heptane 142-82-5	RG 84	-

Germany
Water hazard class (WGK) hazardous to water (WGK 2)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorisations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
Proprietary -	75.	
Acrylic acid, 2-hydroxyethyl ester - 818-61-1	75.	
Methanol - 67-56-1	69.	
Octamethylcyclotetrasiloxane - 556-67-2	70. 75.	
decamethylcyclopentasiloxane - 541-02-6	70.	
Heptane - 142-82-5	75.	

Persistent Organic Pollutants
Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)
E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Methanol - 67-56-1	500	5000

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

15.2. Chemical safety assessment

Chemical Safety Report No information available

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapour
H228 - Flammable solid
H301 - Toxic if swallowed
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H310 - Fatal in contact with skin
H311 - Toxic in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H370 - Causes damage to organs
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects
H413 - May cause long lasting harmful effects to aquatic life

Legend
SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - Vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration toxicity	Calculation method
Ozone	Calculation method

Revision Date 02-Jan-2022

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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End of Safety Data Sheet

Product Brand	POLYJET - INKS
Material State	Photopolymer
Material Family	Rubber like
Product name for SDS file	Agilus30 FLX935