SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

UV FLY FINISH COLOR

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier	UV FLY FINISH COLOR Product type: mixture – UV-curable acrylic varnish, coloured Colour variants: White, Fluo Yellow, Fluo Chartreuse, Transparent Yellow Olive, Transparent Olive, Transparent Brown Olive, Fluo Orange, Fluo Hot Orange, Fluo Red, Fluo Pink, Hot Purple, Black This safety data sheet applies to all colour variants. UFI: **7T07-VJCU-0C0U-03QM**
1.2 Relevant identified uses of the substance or mixture and uses advised against	UV-curable varnish for surface finishing, protection and fixing of small objects (e.g. tying fishing flies, small decorations). Consumer and professional use. Product category PC-PNT (coatings and paints). Uses advised against: use in contact with food, application to skin, nails or damaged skin, application by spraying.
1.3 Details of the supplier of the safety data sheet	SYBAI tackle s.r.o. Věry Pánkové 829/2, 779 00 Olomouc, Czech Republic Company ID: 27814033 Tel.: +420 799 069 990 E-mail: info@sybai.com Web: www.sybai.com

1.4 Emergency telephone number	Toxicological Information Centre (TIS), Na Bojišti 1, 128 08 Prague 2, Czech Republic 24 hours: +420 224 919 293 or +420 224 915 402 **Austria:** Vergiftungsinformationszentrale (VIZ), +43 1 406 43 43 (24/7) **Belgium:** Centre Antipoisons / Antigifcentrum, +32 70 245 245 (24/7) **Bulgaria:** National Toxicology Centre, UMHATEM "N. I. Pirogov", +359 2 9154 233 (24/7) **Croatia:** Centar za kontrolu otrovanja (CKO), +385 1 2348 342 (24/7) **Denmark:** Giftlinjen, +45 82 12 12 12 (24/7) **Finland:** Myrkytystietokeskus, +358 9 471 977 (24/7) **France:** ORFILA (poison centres), +33 1 45 42 59 59 (24/7) **Germany:** Giftnotruf der Charité – Universitätsmedizin Berlin, +49 30 19240 (24/7) **Hungary:** ETTSZ, 06 80 201 199 (24/7, free of charge, only from within Hungary) **Ireland:** National Poisons Information Centre, +353 1 809 2166 (daily 8:00–22:00, for the public) **Italy:** Centro Antiveleni di Milano – Ospedale Niguarda, +39 02 6610 1029 (24/7) **Lithuania:** Apsinuodijimų informacijos biuras, +370 5 236 2052 (24/7) **Luxembourg:** Centre Antipoisons, +352 8002 5500 (24/7) **Malta:** Malta National Poisons Centre, +356 2559 4600 (daily 8:00–20:00) **Netherlands:** Nationaal Vergiftigingen Informatie Centrum (NVIC), +31 88 755 8000 (24/7, for healthcare professionals only) **Norway:** Giftinformasjonen, +47 22 59 13 00 (24/7) **Poland:** emergency number 112 **Portugal:** Centro de Informação Antivenenos (CIAV), 800 250 250 (24/7, only from within Portugal) **Romania:** Biroul pentru RSI și Informare Toxicologică, +40 21 318 36 06 (Monday–Friday 8:00–15:00) **Slovakia:** Národné toxikologické informačné centrum (NTIC), +421 2 5477 4166 (24/7) **Slovenia:** emergency number 112 **Spain:** Servicio de Información Toxicológica (INTCF), +34 91 562 04 20 (24/7) **Sweden:** Giftinformationscentralen, emergencies 112 (ask for Giftinformation), less urgent cases +46 10 456 6700 (24/7) **All EU/EEA countries:** emergency number 112

SECTION 2: Hazards identification

2.1 Classification of the mixture	According to Regulation (EC) No 1272/2008 (CLP): Skin Sens. 1A (skin sensitisation, category 1A), H317 Eye Irrit. 2 (eye irritation, category 2), H319 Aquatic Chronic 2 (hazardous to the aquatic environment – chronic, category 2), H411 The classification was determined using the calculation method in Annex I to the CLP Regulation, based on the classification and concentration of the components (Section 3).
2.2 Label elements – hazard pictograms	 GHS07 GHS09
Signal word	**Warning**
Hazardous substances on the label	Isobornyl acrylate; 2-hydroxypropyl methacrylate
Hazard statements	H317 May cause an allergic skin reaction. H319 Causes serious eye 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. P261 Avoid breathing vapours/aerosols. P280 Wear protective gloves/eye protection. P302+P352 IF ON SKIN: Wash with plenty of water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/container in accordance with local regulations (hazardous waste collection point).
2.3 Other hazards	The mixture does not contain substances meeting the PBT or vPvB criteria in accordance with Annex XIII to REACH at a concentration ≥ 0.1 %. The mixture does not contain substances with endocrine-disrupting properties at a concentration ≥ 0.1 %. The uncured product polymerises under UV radiation and heat. Repeated contact of uncured varnish with the skin may lead to sensitisation (acrylate allergy).

SECTION 3: Composition/information on ingredients

3.2 Mixtures The mixture contains the following ingredients:

Component name	CAS	EC / List number	REACH registration No.	Classification (CLP)	Content (wt. %)
Acrylic copolymer (2-methyl-2-propenoic acid, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate)	25133-97-5	607-559-5	polymer – not subject to registration	not classified	70–80
Isobornyl acrylate	5888-33-5	227-561-6	not provided by supplier	Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	5–10
2-Hydroxypropyl methacrylate	27813-02-1	248-666-3	not provided by supplier	Eye Irrit. 2, H319 Skin Sens. 1, H317	10–20
Trimethylbenzoyl-ditolylphosphine oxide (photoinitiator)	270586-78-2	884-585-5 (ECHA list number)	not provided by supplier	not classified	1–2

The full text of the H-statements is given in section 16. No specific concentration limits or M-factors have been established by the raw material suppliers. No ingredient is included on the Candidate List of substances of very high concern (SVHC).
The colour variants contain pigments at low concentrations which are not classified as hazardous and do not affect the classification of the mixture.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice: If symptoms persist or in case of doubt, seek medical attention and show this safety data sheet or label. Do not leave the affected person unattended.
Following inhalation: Move the affected person to fresh air and keep them at rest. Seek medical attention if breathing is difficult.
Following skin contact: Remove contaminated clothing. Immediately wash the skin with plenty of water and soap (do not use solvents). If irritation or rash occurs, seek medical advice.
Following eye contact: Rinse with a stream of clean water for at least 15 minutes, holding the eyelids open, and remove contact lenses. Protect the eyes from UV light (the varnish could cure). If irritation persists, seek advice from an ophthalmologist.
Following ingestion: Rinse the mouth with water; do not induce vomiting. Never give anything by mouth to an unconscious person. Contact a Poison Information Centre or a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Redness and irritation of the eyes. In sensitive persons, allergic skin reaction (redness, itching, eczema), which may occur with a delay.

4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically. Symptoms may occur with a delay.

SECTION 5: Firefighting measures

5.1 Extinguishing media	Suitable extinguishing media: alcohol-resistant foam, dry extinguishing powder, carbon dioxide, water mist. Unsuitable extinguishing media: full water jet.
5.2 Special hazards arising from the substance or mixture	Combustion may produce carbon oxides, phosphorus oxides and irritating organic vapours. Heating may cause uncontrolled polymerisation.
5.3 Advice for firefighters	Use self-contained breathing apparatus and full protective clothing. Cool endangered containers with water mist. Prevent firefighting water from entering drains and surface water or groundwater.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Use personal protective equipment (section 8). Avoid contact with skin and eyes. Ensure adequate ventilation.
6.2 Environmental precautions	Prevent release into drains, surface water, groundwater and soil.
6.3 Methods and material for containment and cleaning up	Absorb spilled varnish with inert material (sand, vermiculite, universal absorbent) or wipe it up with a paper towel; place the material in a sealed container and dispose of it in accordance with section 13. Residues may be allowed to cure under UV light.
6.4 Reference to other sections	See sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling	Avoid contact with skin and eyes; wear protective gloves and goggles. Work in a well-ventilated area. Do not eat, drink or smoke while working. Wash hands after work. Wash contaminated clothing before reuse.
7.2 Conditions for safe storage, including any incompatibilities	Keep in a tightly closed, original, opaque container in a dry, cool and well-ventilated place, protected from sunlight, UV radiation, heat and sources of ignition. Recommended storage temperature: 8–28 °C. Store separately from food, beverages and animal feed and out of the reach of children. Do not return removed varnish to the container.
7.3 Specific end use(s)	See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No occupational exposure limits have been established for the components of the mixture under Czech Government Regulation No. 361/2007 Coll. or EU directives. DNEL and PNEC values:

Component	Group	Route	Effect	DNEL
Isobornyl acrylate	workers	inhalation	long-term, systemic	4.9 mg/m³
	workers	dermally	long-term, systemic	1.39 mg/kg/day
	consumers	inhalation	long-term, systemic	1.45 mg/m³
	consumers	dermal / oral	long-term, systemic	0.83 mg/kg/day
2-Hydroxypropyl methacrylate	workers	inhalation	long-term, systemic	14.7 mg/m³
	workers	dermally	long-term, systemic	4.2 mg/kg/day
	consumers	inhalation	long-term, systemic	4.35 mg/m³
	consumers	dermal / oral	long-term, systemic	2.5 mg/kg/day

Component	PNEC fresh water	PNEC marine water	PNEC sewage treatment plant	PNEC sediment (fresh water)	PNEC soil
Isobornyl acrylate	0.001 mg/l	< 0.001 mg/l	2 mg/l	0.145 mg/kg dry weight	0.029 mg/kg dry weight
2-Hydroxypropyl methacrylate	0.904 mg/l	0.09 mg/l	10 mg/l	4.13 mg/kg dry weight	0.295 mg/kg dry weight

8.2 Exposure controls

Technical measures: ensure adequate workplace ventilation.
Eye protection: safety glasses with side shields (EN ISO 16321 / EN 166). During curing, protect eyes from UV radiation from the lamp.
Hand protection: nitrile rubber protective gloves (EN ISO 374-1), thickness ≥ 0.4 mm; replace gloves if contaminated. Latex and vinyl gloves are unsuitable.
Skin protection: long-sleeved work clothing.
Respiratory protection: not required during normal use in small quantities. If ventilation is inadequate, use a half-mask with an A filter (EN 14387).
Environmental exposure controls: prevent release into drains and waterways.

SECTION 9: Physical and chemical properties

Physical state	Liquid.
Colour	Depending on the colour variant.
Odour	Characteristic, resin-like.
Melting point / freezing point	No data available.
Boiling point / initial boiling point	No data available.
Flammability	Not a flammable liquid according to CLP criteria (flash point > 60 °C).
Lower and upper explosion limits	No data available.
Flash point	105 °C (closed cup).
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	Not applicable – non-aqueous mixture.
Viscosity	Dynamic: 5,000 ± 1,000 mPa·s (25 °C); kinematic: approximately 3,500–5,700 mm^2/s (25 °C, calculated from density).
Solubility	No data available.
Partition coefficient n-octanol/water	No data available.
Vapour pressure	No data available.
Density / relative density	1.05–1.15 g/cm^3 (20 °C).
Relative vapour density	No data available.
Particle characteristics	Not applicable (liquid).
9.2 Other information	Explosive properties: non-explosive. Oxidizing properties: non-oxidizing.

SECTION 10: Stability and reactivity

10.1 Reactivity	Under the influence of UV radiation, light and heat, it polymerizes (cures).
10.2 Chemical stability	Stable under the recommended storage and handling conditions.
10.3 Possibility of hazardous reactions	Heating or contamination with initiators may cause uncontrolled exothermic polymerization.
10.4 Conditions to avoid	UV and sunlight, heat, sparks, open flames.

10.5 Incompatible materials	Strong oxidizing agents, strong acids and bases, radical initiators (peroxides).
10.6 Hazardous decomposition products	None are formed under normal conditions. In the event of fire, see Section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes Acute toxicity of components:

Component	LD50 oral	LD50 dermal	LC50 inhalation
Isobornyl acrylate	4,350 mg/kg (rat)	> 30,000 mg/kg (rabbit)	data not available
2-Hydroxypropyl methacrylate	> 5,000 mg/kg (rat)	> 5,000 mg/kg (rat)	data not available
Trimethylbenzoyl ditolylphosphine oxide	≥ 5,000 mg/kg (rat)	≥ 2,000 mg/kg (rat)	data not available
Acrylate copolymer	data not available	data not available	data not available

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Causes serious eye irritation (Eye Irrit. 2).
Respiratory or skin sensitisation	May cause an allergic skin reaction (Skin Sens. 1A) – contains acrylate and methacrylate monomers. Respiratory sensitisation: the criteria are not met.
Germ cell mutagenicity	The classification criteria are not met.
Carcinogenicity	The classification criteria are not met.
Reproductive toxicity	The classification criteria are not met.
STOT – single exposure	The classification criteria are not met.
STOT – repeated exposure	The classification criteria are not met.
Aspiration hazard	The classification criteria are not met.
Likely routes of exposure and symptoms	Skin and eye contact. Redness and irritation of the eyes; allergic skin reaction in sensitised individuals.
11.2 Information on other hazards	Endocrine disrupting properties: the mixture does not contain substances with these properties at a concentration of ≥ 0.1%.

SECTION 12: Ecological information

12.1 Toxicity Toxicity of components to aquatic organisms:

Component	Fish	Invertebrates (Daphnia magna)	Algae
Isobornyl acrylate	LC50 (96 h): 0.704 mg/l	NOEC (21 d, reproduction): 0.092 mg/l	EC50 (72 h): 1.98 mg/l NOEC (72 h): 0.405 mg/l
2-Hydroxypropyl methacrylate	LC50 (96 h): > 100 mg/l	EC50 (48 h): > 143 mg/l NOEC (21 d): 45.2 mg/l	EC50 (72 h): > 97.2 mg/l NOEC (72 h): ≥ 97.2 mg/l
Trimethylbenzoyl ditolylphosphine oxide	data not available	data not available	data not available
Acrylate copolymer	data not available	data not available	data not available

Mixture classification	Toxic to aquatic life with long lasting effects (Aquatic Chronic 2, H411).
12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No bioaccumulation potential (secondary poisoning) was identified for isobornyl acrylate and 2-hydroxypropyl methacrylate.
12.4 Mobility in soil	No data available.
12.5 Results of PBT and vPvB assessment	The mixture does not contain PBT or vPvB substances.

12.6 Endocrine disrupting properties	The mixture does not contain substances with these properties at a concentration of ≥ 0.1%.
12.7 Other adverse effects	None known. The cured varnish is an inert solid.

SECTION 13: Disposal considerations

13.1 Waste treatment methods	Do not dispose of uncured product with municipal waste or pour it into the sewer. Hand it over to an authorised person or take it to a hazardous waste collection point. Comply with Czech Act No. 541/2020 Coll., on waste.
Recommended waste catalogue number – product	08 01 11* Waste paint and varnish containing organic solvents or other hazardous substances
Recommended waste catalogue number – packaging	15 01 10* Packaging containing residues of or contaminated by hazardous substances
Note	UV-cured varnish residues may be disposed of as ordinary waste following assessment by the waste producer. Waste classification is the responsibility of the waste producer.

SECTION 14: Transport information

14.1 UN number or ID number	UN 3082
14.2 UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (isobornyl acrylate)
14.3 Transport hazard class(es)	9
14.4 Packing group	III
14.5 Environmental hazards	Yes (ADR/RID/ADN); marine pollutant (IMDG).
14.6 Special precautions for user	Special provision 375 ADR/RID/ADN: in single or inner packagings containing ≤ 5 l, the product is not subject to ADR regulations (similarly SP 969 IMDG and A197 IATA). Limited quantities (LQ): 5 l. Classification code M6, tunnel restriction code (–).
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

SECTION 15: Regulatory information

15.1 Regulations	Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878. Regulation (EC) No 1272/2008 (CLP), including Annex VIII (notification to poison centres – PCN notification submitted, UFI 7T07-VJCU-0C0U-03QM) and Regulation (EU) 2024/2865. REACH Annex XVII (restrictions): no component is restricted. Candidate List of SVHCs: no component is listed. Annex XIV (authorisation): not applicable. Directive 2012/18/EU (Seveso III): hazard category E2 (hazardous to the aquatic environment, chronic category 2). Czech Act No. 350/2011 Coll., on chemical substances and chemical mixtures (Chemicals Act). Czech Act No. 541/2020 Coll., on waste, and Decree No. 8/2021 Coll. (Waste Catalogue). Government Regulation No. 361/2007 Coll., laying down conditions for the protection of health at work. Czech Act No. 254/2001 Coll., on water.
15.2 Chemical safety assessment	A chemical safety assessment has not been carried out for the mixture.

SECTION 16: Further information

Changes compared with the previous version	First issue.

Full text of H-statements from Section 3	H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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.
Classification method	Health and environmental hazards: calculation method according to Annex I to CLP. Physical hazards: based on flash point data.
Sources of data	Supplier's safety data sheet for the mixture and manufacturer's information, ECHA database.
Training advice	Users must be informed of the hazards of the product and of this safety data sheet; professional users must be specifically informed of the risks of sensitisation by acrylates.
Abbreviations	CLP – Regulation (EC) No 1272/2008; REACH – Regulation (EC) No 1907/2006; UFI – unique formula identifier; PCN – poison centre notification; DNEL – derived no-effect level; PNEC – predicted no-effect concentration; LD50/LC50 – lethal dose/concentration for 50% of individuals; EC50 – effective concentration for 50% of individuals; NOEC – no observed effect concentration; PBT – persistent, bioaccumulative and toxic substance; vPvB – very persistent and very bioaccumulative substance; SVHC – substance of very high concern; ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road; IMDG – International Maritime Dangerous Goods Code; IATA – regulations for air transport; WWTP – wastewater treatment plant.
Disclaimer	The information in this safety data sheet is consistent with the current state of knowledge and applicable regulations. It describes the product with regard to safety and does not guarantee its properties. The user is responsible for complying with the regulations applicable to their use of the product.