

**SPECTRAL KLAR 505-00 ACRYLIC CLEARCOAT**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**SPECTRAL KLAR 505-00 ACRYLIC CLEARCOAT**

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

Acrylic clearcoat (component A) for application with the use of a spray gun. For professional use in car refinish.

**1.3. Data of the supplier Safety Data Sheet**

**NOVOL Sp. z o.o.**

Ul. Żabikowska 7/9

PL 62-052 Komorniki

Registration number: 000024104

Tel: +48 61 810-98-00

Fax: +48 61 810-98-09

[www.novol.com](http://www.novol.com)

[novol@novol.pl](mailto:novol@novol.pl)

**Person responsible for the Safety Data Sheet**

[dokumentacja@novol.pl](mailto:dokumentacja@novol.pl)

**1.4. Emergency telephone number**

+48 61 810-99-09 (from 7.00 to 15.00)

**SECTION 2: HAZARD IDENTIFICATION**

**2.1. Classification of the substance or mixture**

The mixture was classified as dangerous pursuant to current regulations - see section 15.

**Classification 1272/2008/WE:**

Sensitisation — Skin, category 1 (Skin Sens. 1). May cause an allergic skin reaction.

Specific target organ toxicity — Single exposure, Hazard Category 3, Narcosis (STOT SE 3). May cause drowsiness or dizziness.

Hazardous to the aquatic environment — Chronic Hazard, Category 3 (Aquatic Chronic 3). Harmful to aquatic life with long lasting effects.

Repeated exposure may cause skin dryness or cracking.

Liquid, flammable substances, category 3 (Flam. Liq. 3). Flammable liquid and vapour.

**2.2. Label elements:**

Contains:

Butyl acetate

Pictograms:



Pictograms:

Warning.

H226

Flammable liquid and vapour.

H317

May cause an allergic skin reaction.

H336

May cause drowsiness or dizziness.

H412

Harmful to aquatic life with long lasting effects.

EUH066

Repeated exposure may cause skin dryness or cracking.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261

Avoid breathing vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P312

Call a doctor if you feel unwell.

**2.3. Other hazards**

No available data.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances**

Not applicable.

**3.2. Mixtures**

**Product identification**

SPECTRAL KLAR 505-00 ACRYLIC CLEARCOAT

Substance name	Identification numbers	Classification and marking	Concentration [wt%]
Butyl acetate	EC: 204-658-1 CAS: 123-86-4 Index no.: 607-025-00-1 Registration no.: 01-2119485493-29-XXXX	Flam. Liq. 3; H226; STOT SE 3; H336 EUH066	10-20
Methyl amyl ketone	WE: 203-767-1 CAS: 110-43-0 Index no.: 606-024-00-3 Registration no.: 01-2119902391-49-XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H302	10-15
Hydrocarbons, C9, aromatics	EC: 918-668-5 CAS: -- Index no.: not applicable Registration no.: 01-2119455851-35-XXXX	Flam. Liq. 3; H226 STOT SE 3; H335; H336 Asp. Tox. 1; H304 Aquatic Chronic 2 H411 EUH 066	<15
xylene	EC: 215-535-7 CAS: 1330-20-7 Index no.: 601-022-00-9 Registration no.: 01-2119488216-32-XXXX	Flam. Liq. 3; H226; Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit.2; H315	<2
reaction mass of $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene) and $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	EC: 400-830-7 CAS:104810-48-2+104810-47-1+ 25322-68-3 Index no.: 607-176-00-30 Registration no.: 01-2119472279-28-XXXX	Skin Sens. 1; H317 Aquatic Chronic 2; H411	<1
A mixture of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	EC: 915-687-0 CAS: --- Index no.: -- Registration no.: 01-2119491304-40-XXXX	Skin Sens. 1; H317 Aquatic Acute 1, H400 Aquatic Chronic 1; H410	<0.5

The full text of the hazard statements (H) is provided in Section 16.

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

General information:  
 See section 11 of the Safety Data Sheet.

**Inhalation:**

Take the victim outside into fresh air, ensure quiet surrounding; in case of no breath, apply artificial respiration. Call a doctor.

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**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

**Skin:**

Take off contaminated clothing. Rinse contaminated skin with plenty of lukewarm water for about 15 minutes. If irritation persists, consult a doctor.

**Eyes:**

Rinse immediately with plenty of lukewarm water for about 15 minutes, avoid strong water jet-risk of cornea damage, consult a doctor.

**Alimentary tract:**

Do not provoke vomiting (choking risk). Rinse mouth with water. If conscious, administer 1-2 glasses of warm water. Call a doctor.

Person giving first aid should wear medical gloves.

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

Vapours might cause drowsiness and vertigo. Repeated exposure might cause skin dryness or rupture.

**4.3. Indications of any immediate medical attention and special treatment needed**

Special measures allowing for specialist and immediate aid should be available in the place of work.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Powder, foam resistant to alcohols, carbon dioxide, water mist.

**5.2. Special hazards arising from the substance or mixture**

Fire may cause generation of carbon dioxide and other toxic gases.

**5.3. Advice for firefighters**

Fire-fighting teams should wear self-contained breathing apparatus and light protective clothing. Cool adjacent tanks by spraying water at a safe distance.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

For persons not being the members of aid giving staff:

Eliminate sources of ignition. Ensure sufficient ventilation of the room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Personal protection measures - section 8 of the Safety Data Sheet.

For persons giving aid:

Persons giving aid should wear protective clothing made of coated, impregnated fabric, protective gloves (viton), tight protective glasses and breathing apparatus: gas mask with A type absorber.

**6.2. Environmental precautions**

Prevent leakage to the sewage system, surface waters, underground waters and soil.

**6.3. Methods and materials for containment and cleaning up**

Stop the leakage (close the liquid inflow, seal), place damaged container in an emergency container, remove the liquid mechanically and place it in an emergency container. In case of large leakage, embank the area. In case of small amounts, collect with the use of a binding agent (e.g. mica, diatomaceous earth, sand).

**6.4. Reference to other sections**

Personal protection measures - see section 8 of the Safety Data Sheet.

Disposal considerations - see section 13 of the Safety Data Sheet.

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**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Keep away from heat and fire sources. Prevent leakage to the sewage system, surface waters, underground waters and soil. Use in well ventilated rooms. Do not smoke. Do not inhale fumes. Avoid contact with skin and eyes. Take precaution measures against electrostatic discharge. Use personal protection measures - section 8 of the Safety Data Sheet.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly sealed, original containers. Do not store near large amounts of organic peroxides and other strong oxidants. Take precaution measures against electrostatic discharge. Store in cool, well ventilated rooms. Protect from low temperatures, the influence of sunrays and heat sources.

**7.3. Special end use(s)**

Acrylic clearcoat (component A) for application with a spray gun. For professional use in car refinish taking into consideration the information included in subsections 7.1 and 7.2.

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

**8.1. Control parameters**

Xylene CAS 1330-20-7 according to:

- *TRGS 900*: MAK: 100ppm, MAK: 440 mg/m<sup>3</sup>, 2(II),DFG, H
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 50 mg/m<sup>3</sup>, 220mg/m<sup>3</sup>, STEL 100ppm, 441 mg/m<sup>3</sup>, Sk, BMGV

Butyl acetate CAS 123-86-4 according to:

- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 150 ppm, 724 mg/m<sup>3</sup>, STEL 200ppm, 966 mg/m<sup>3</sup>

Methyl amyl ketone CAS 110-43-0 according to:

- *TRGS 900*: MAK: 238 mg/m<sup>3</sup>, 2(I),DFG
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 50 mg/m<sup>3</sup>, 237mg/m<sup>3</sup>, STEL 100ppm, 475 mg/m<sup>3</sup>, Sk

**8.2. Exposure control**

Respiratory tract protection:

Gas mask with A type absorber (EN 141).

Hand protection:

Protective gloves PN-EN 374-3 (viton, 0.7 mm thick, penetration time > 480 min, nitrile rubber, 0,4 mm thick, penetration time > 30 min)

Eye protection:

Tight protective glasses.

Skin protection:

Proper protective clothing (coated impregnated fabrics).

Workplace:

Fixed fume extraction and general ventilation.

Environmental exposure control:

Prevent leakage to the sewage system, surface waters, underground waters and soil.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

Physical state	liquid
Colour	colorless
Odour	strong, powerful
Odour threshold	no data
pH	not applicable
Melting/freezing point	not applicable
Boiling point	120-130°C
Flash point	26°C
Autoignition point	about 435°C
Breakdown point	not specified
Evaporation rate	not specified

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

Flammability (solid, gas)	not applicable
Explosion limits	% bottom: 1.1 vol% top: 7.9 vol% (Methyl amyl ketone)
Vapour pressure	10 hPa (20°C)
Vapour density (with regard to air)	4.0 (butyl acetate)
Density	about 1.0 g/cm <sup>3</sup> (20°C)
Solubility (in water)	poor
N-octanol/water division ratio	1.85 (butyl acetate)
Viscosity	no data
Explosive properties	not applicable
Oxidizing properties	not applicable

**9.2 Other informations**

No available data.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

The product is not reactive under normal conditions.

**10.2. Chemical stability**

The product remains stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Carbon monoxide and other toxic gases are generated as a result of thermal decomposition.

**10.4. Conditions to be avoided**

Flammable product. Avoid contact with strongly oxidizing agents, peroxides, strong acids and bases. Avoid generation and accumulation of static electricity. Protect from the influence of sunrays and heat sources.

**10.5. Incompatible materials**

Avoid contact with large amounts of organic peroxides, strong acids and bases as well as other strong oxidants.

**10.6. Hazardous decomposition products**

Carbon monoxide and other toxic gases are generated as a result of thermal decomposition.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

**a) Acute toxicity**

Butyl acetate	LD <sub>50</sub> (rat, ingestion)	10768 mg/kg
	LC <sub>50</sub> (rat, inhalation)	390 ppm/4h
	LD <sub>50</sub> (rabbit, skin)	17600 mg/kg
Methyl amyl ketone	LD <sub>50</sub> (rat, ingestion)	1670 mg/kg
	LC <sub>50</sub> (rat, inhalation)	2000-4000 ppm/4h
Xylene	LD <sub>50</sub> (rat, ingestion)	4300 mg/kg
	LC <sub>50</sub> (rat, inhalation)	5000 ppm/4h
	LD <sub>50</sub> (rabbit, skin)	1700 mg/kg

**b) Skin corrosion/irritation**

No available data confirming the hazard class.

**c) serious eye damage/irritation**

No available data confirming the hazard class.

**d) respiratory or skin sensitisation**

May cause an allergic skin reaction.

**e) germ cell mutagenicity**

The mixture has not been classified as mutagenic. No available data confirming the hazard class.

**f) carcinogenicity**

The mixture has not been classified as cancerogenic. No available data confirming the hazard class.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**g) reproductive toxicity**

The mixture has not been classified as having any harmful effect on reproduction. No available data confirming the hazard class.

**h) STOT-single exposure**

May cause drowsiness or dizziness.

**i) STOT- repeated exposure**

No available data confirming the hazard class. Repeated exposure may cause skin dryness or cracking.

**j) aspiration hazard**

No available data confirming the hazard class.

**Exposure methods:**

Inhalation: irritating effect.

Skin: May cause sensitization by skin contact. Repeated exposure may cause skin dryness or cracking

Eyes: irritating effect.

If swallowed, the substance may cause irritation of the alimentary tract, nausea, vomiting and diarrhoea.

**Poisoning symptoms:**

Headache and vertigo, fatigue, decreased muscle power, drowsiness and, in exceptional instances, loss of consciousness.

Vapours might cause drowsiness and vertigo. Repeated exposure might cause skin dryness or rupture.

**SECTION 12: ECOLOGICAL INFORMATION**

No experimental data available on the preparation. Evaluation was performed based on the data on dangerous ingredients included in the preparation.

**12.1. Toxicity**

Methyl amyl ketone

Toxicity for fish (Pimephales promeles): LC50 131 mg/l/96h  
Number in the catalogue of water hazardous substances: 3726  
Water hazard class: 1

Butyl acetate

Number in the catalogue of water hazardous substances: 42  
Water hazard class: 1

Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

Toxicity for fish (Lepomis sp.): LC50 0.97 mg/l/96h  
Daphnia magna /EC50 (24h) 20 mg/l

Xylene

Daphnia magna EC50 (48hours.) > 7.4 mg/l  
Evaluation indicator of acute toxicity for mammals: 3; for fish: 4.1  
Number in the catalogue of water hazardous substances: 206  
Water hazard class: 2

**12.2. Persistence and degradability**

Butyl acetate

Biodegradability: 98% (closed bottle test)

**12.3. Bioaccumulative potential**

Butyl acetate

Biodegradation coefficient: BCF=3.1

**12.4. Mobility in soil**

Product very poorly soluble in water.

**12.5. Results of PBT and vPvB assessment**

No available data.

**12.6. Other adverse effects**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SPECTRAL KLAR 505-00 ACRYLIC CLEARCOAT**

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

The product must be disposed of in compliance with proper local and statutory regulations with regard to waste - see point 15. The product should be disposed with entities which are authorised to conduct activity in the area of collecting, recycling or utilization of waste.

Product remains:

Do not dispose the product into the sewage system. Do not store with communal waste. Remove the remains of the mixture carefully and harden with the use of the proper B component, (waste) hardener included in the set. The hardened product is not harmful waste.

**CAUTION:** harden the remains in small portions and keep them away from flammable products. High amounts of heat are released during chemical reaction!

Contaminated container:

A container containing unhardened remains of the product is harmful waste. Do not store with communal waste. The contaminated container should be disposed with entities which are authorized to collection, recover or disposal.

**SECTION 14: TRANSPORT INFORMATION**

	ADR/RID	IMO/IMGD	IATA-DGR
<b>14.1. UN number</b>	1866	1866	1866
<b>14.2. UN proper shipping name</b>		RESIN SOLUTION, flammable	
<b>14.3. Transport hazard class(es)</b>	3	3	3
<b>14.4. Packaging group</b>	III	III	III
<b>14.5. Environmental hazards</b>	none	none	none
<b>14.6. Special precautions for user</b>			
Do not transport together with materials of class 1 (excluding materials of class 1.4S) and some materials of classes 4.1 and 5.2. During transport, avoid direct contact with materials of classes 5.1 and 5.2. Do not use an open flame and do not smoke.			
<b>14.7. Transport in bulk according to Annex II of MARPOL Convention and the IBC Code</b>			
Not applicable.			

**SECTION 15: REGULATORY INFORMATION**

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

REACH - Regulation 2006/1907/WE

CLP - Regulation 1272/2008/WE

**15.2. Chemical safety assessment**

Not performed

**SECTION 16: OTHER INFORMATION**

**Full text of the phrases identifying the types of hazards and R phrases mentioned in sections 2-15**

Flam.Liq.3 Liquid, flammable substances, category 3

H226 Flammable liquid and vapour.

Asp. Tox. 1 Aspiration hazard, Hazard Category 1

H304 May be fatal if swallowed and enters airways.

STOT SE 3 Specific target organ toxicity– single exposure, category 3

H335 May cause respiratory irritation.

H336 Might cause drowsiness or or dizziness.

Acute Tox. 4. Acute toxicity, category 4

H332 Harmful if inhaled.

H302 Harmful if swallowed

**SPECTRAL KLAR 505-00 ACRYLIC CLEARCOAT****SECTION 16: OTHER INFORMATION****Full text of the phrases identifying the types of hazards and R phrases mentioned in sections 2-15**

Skin Sens. 1 Sensitisation — Skin, Hazard Category 1

H317 may cause an allergic reaction.

Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1

H400 Very toxic to aquatic life.

Aquatic Chronic 1; Hazardous to the aquatic environment — Chronic Hazard, Category 1

H410 Very toxic to aquatic life with long lasting effects.

Aquatic Chronic 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2

H411 Toxic to aquatic life with long lasting effects.

Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

**Explanation of the abbreviations and acronyms used in the Safety Data Sheet**

**CAS no.** – numerical symbol ascribed to a chemical substance by the American organization, Chemical Abstracts Service (CAS).

**EC no.** – a number ascribed to a chemical substance in the European List of Notified Chemical Substances (ELINCS) or a number in the European Inventory of Existing Chemical Substances mention in "No-longer polymers" publication (EINECS)

**MPC** – maximum permissible concentration of health hazardous substances in the work place

**MPIC** – maximum permissible instantaneous concentration

**MPCC** - maximum permissible ceiling concentration

**PCB** - permissible concentration in biological material

**UN number** - four-digit identification number of a substance, preparation or product pursuant to UN model regulations

**ADR** – European agreement on international road transport of hazardous materials

**IMO** – International Marine Organization

**RID** – Regulations for international rail transport of hazardous materials

**IMDG-Code** – International marine code for hazardous materials

**ICAO /IATA** – Technical Instructions for Safe Air Transport of Hazardous Materials

The information is based on our current knowledge. This document shall not constitute warranty for product characteristics. Classification was made by calculation method according to the classification rules contained in Regulation 1272/2008/WE.

**Other sources of information**

**ECHA** European Chemicals Agency

**TOXNET** Toxicology Data Network

**IUCLID** International Uniform Chemical Information Database

Changes: General update

Trainings:

With regard to handling, health and safety while working with hazardous substances and mixtures.

With regard to transport of hazardous goods pursuant to the requirements of ADR regulations.

Issued by: NOVOL Sp. z o.o.