

SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Identification of the substance/mixture:** SPECTRAL KLAR 545 ACRYL CLEARCOAT**1.2. Use of the substance/mixture:** Two-component clearcoat (component A) for application with a spray gun.

1.3. Company/undertaking identification: NOVOL Sp. z o.o. Tel: +48 61 810-98-00
 ul. Żabikowska 7/9 Fax: +48 61 810-98-09
 62-052 Komorniki www.novol.pl

Competent person responsible for the Safety Data Sheet: dokumentacja@novol.p
1.4 Emergency tel: (061) 810-99-09 available: 7.00 – 15.00

2. HAZARD IDENTIFICATION**HEALTH HAZARDS:** Irritant product. May cause sensitization by skin contact. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness..**DANGEROUS PROPERTIES:** Flammable liquid; avoid contact with strong oxidants. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**OTHER:** No data available.**3. COMPOSITION / INFORMATION ON INGREDIENTS**

EEC No.	Name of the substance	WE No.	CAS No.	Classification of the substance	Marking of the substance	Composition
607-025-00-1	Butyl acetate	204-658-1	123-86-4	R10 R66-67	R: 10-66-67 S: (2-)25	20-30%
606-024-00-3	Methyl amyl ketone	203-767-1	110-43-0	R10 Xn; R20/22	Xn R: 10-20/22 S: (2-)24/25	5-13%
--	Dibutyltin dilaurate	201-039-8	77-58-7	Xn, R22, R48/25 Xi, R36 N, R50/53 Repro. Kat.2 R60 Repro. Kat 2 R61 Mutag. Kat.3 R68	T, N R:22-36-48/25- 50/53-60-61-68 S: 24-26- 36/37/39-45-53- 61	<0.18%
--	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	255-437-1	41556-26-7		Xi, N R: 43, R50/53	<0,4
	Metyl-1,2,2,6,6-pentametyl-4-piperidylsebacat	280-060-4	82919-37-7		Xi, N R: 43-50/53	<0,13
	alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxiethylen)	400-830-7	104810-48-2		Xi, N R: 43-51/53	<0,4
	alpha-3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)	400-830-7	104810-47-1		Xi, N R: 43-51/53	<0,26

4. FIRST AID MEASURES**GENERAL INFORMATION:** See 11 point Product Data Sheet.**INHALATION:** Take the casualty into the fresh air and keep warm irregular breathing/no breathing artificial respiration call a physician.**SKIN:** Take off soiled clothes. Wash off with plenty of lukewarm water (at least 15 minutes).Consult a doctor in the event of skin reaction.**EYES:** Hold the eyes open and rinse immediately with plenty of lukewarm water (at least 15 minutes). Contact with ophthalmologist.**ALIMENTARY TRACT:** Do not provoke vomiting (risk of choking). Rinse mouth with water. Medical help is required.

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5. FIRE-FIGHTING MEASURES

FIRE EXTINGUISHING

SUBSTANCES: Powder, foam resistant to alcohols, carbon dioxide, watermist.

SPECIAL HAZARDS: Fire may cause the generation of carbon monoxide.

PROTECTIVE EQUIPMENT: Firemen have to wear self-contained breathing apparatus and protective clothing.

OTHER INFORMATION: Cool adjacent tanks by spraying water from a safe distance.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION: Eliminate sources of ignition. Ensure sufficient ventilation in this room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Put on protective equipment see chapter 8.

PROTECTION OF THE ENVIRONMENT: Prevent to get through to the sewage system, to the surface water, underground water, to the soil. In case of a major spillage the affected area should be separated with bounds.

ACTION IN CASE OF SPILLAGE: Seal the container; damaged containers should be placed in emergency containers. Besprinkle spillage, use e.g. mica, sand, wood flour. Remove the substance mechanically and put to emergency containers. For further disposal measures: see chapter 13.

7. HANDLING AND STORAGE

HANDLING RULES: Keep away from heat and sources of fire. Do not smoke. Do not inhale vapours. Avoid contact with skin and eyes. Take precautionary measures against electrostatic loading. Use only in well ventilated place. Put on protective equipment-see chapter 8.

STORAGE: Keep in sealed containers in cool, well ventilated rooms. Storage in the vicinity of a large quantity of organic peroxides or strong oxidants is prohibited.

PECULIAR APPLICATION: See the technical product data sheet.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

LIMIT VALUES:

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

- *TRGS 900:* MAK: 238 mg/m³, 2(I),DFG
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 50 mg/m³, 237mg/m³, STEL 100ppm, 475 mg/m³, Sk

for 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/m³, STEL 200ppm, 966 mg/m³

RESPIRATORY TRACT PROTECTION: Gas mask with "A" type absorbing canister (EN 141)..

PROTECTION OF HANDS: Protective gloves suitable for handling solvents (viton, nitrile rubber (PN-EN 374-3:1999)).

EYES PROTECTION: Protective glasses.

SKIN PROTECTION: Suitable protective clothing (antistatic, impregnated clothing).

WORKPLACE: Topical stays and exhausting ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: liquid
Colour: colourless
Smell: pungent, penetrating odour
Boiling point: 126-140°C
Flash-point: 23°C
Autoignition point: 370°C
Explosion limits: % lower: 1.0 vol.% upper: 8.0 vol.% (butyl acetate)
Vapour pressure: 10.0 hPa (20°C)
Density: approx. 0.97 g/cm³ (20°C)
Water solubility: poorly soluble
Partition coefficient n-octanol/water: --
Viscosity (Ford φ4): approx 30 s

10. STABILITY AND REACTIVITY

STABILITY: The product remains stable under normal conditions.

AVOID THE CONTACT OF THE MATERIAL WITH: Strong oxidants, high temperature, strong acids and basis.

DANGEROUS DECOMPOSITION PRODUCTS: Carbon monoxide and other toxic gasses are generated as a result of thermal decomposition.

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15. REGULATORY INFORMATION**CONTAINS:** ---**HAZARD SYMBOL(S)** Xi Irritant**RISK-PHRASES:**
R10 Flammable.
R43 May cause sensitization by skin contact.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**SAFETY-PHRASES:**
S (2-) Keep out of the reach of children.
S 23 Do not breathe vapour/spray.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S 38 In case of insufficient ventilation, wear suitable respiratory equipment
S 46 If swallowed, seek medical advice immediately and show this container or label.**16. OTHER INFORMATION**

Full text of the R -Phrases from sections 2 and 3:

R10 Flammable.

R20/22 Harmful by inhalation and if swallowed

R22 Harmful if swallowed.

R36 Irritating to eyes.

R48/25 Toxic: danger of serious damage to health by prolonged exposure if swallowed.

R60 May impair fertility.

R61 May cause harm to the unborn child.

R68 Possible risk of irreversible effects.

R43 May cause sensitization by skin contact.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information contained herein is based on our current knowledge. This document does not constitute a warranty for product characteristics.

Changes: General update.

Training: In terms of conduct, occupational health and safety with hazardous substances and mixtures. In terms of transport of dangerous goods in accordance with the requirements of ADR.

Issued by: NOVOL Sp. z o.o.

Information: Laboratory Research and Development; tel. +48 61 810 99 09