

**NOVOTEC 3090 - ALKYD TOPCOAT FAST DRY gloss,
NOVOTEC 3050 - ALKYD TOPCOAT FAST DRY semi-matt**

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

1.1. Product identifier

**NOVOTEC 3090 - ALKYD TOPCOAT FAST DRY gloss,
NOVOTEC 3050 - ALKYD TOPCOAT FAST DRY semi-matt**

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

Topcoats for INDUSTRIAL COATING SYSTEMS. For professional use in car refinish.

1.3. Data of the supplier Safety Data Sheet

NOVOL Sp. z o.o.
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Person responsible for the Safety Data Sheet

dokumentacja@novol.pl

1.4. Emergency telephone number

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

SECTION 2: HAZARDS 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/EC:

Acute toxicity (skin) and Acute toxicity (inhalation), hazard category 4 (Acute Tox. 4).
Harmful in contact with skin or if inhaled. Skin irritation, hazard category 2 (Skin Irrit. 2). Irritating to skin.
Specific target organ toxicity – repeated exposure, hazard category 2 (STOT SE 2).
May cause damage to organs through prolonged or repeated exposure.
Flammable liquid, hazard category 3. (Flam. Liq. 3). Flammable liquid and vapour.

2.2. Label elements:

Contains:

Xylene.

Pictograms:



Signal word:

Warning

H226

Flammable liquid and vapour.

H312+H332

Harmful in contact with skin or if inhaled.

H315

Causes skin irritation.

H373

May cause damage to organs through prolonged or repeated exposure.

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 identifier

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Substance name	Identification numbers	Classification and marking	Concentration [wt%]
Xylene	EC: 215-535-7 CAS: 1330-20-7 Index no.: 601-022-00-9 Registration no.: 01-2119488216-32-XXXX	Classification 1272/2008/EC: Flam. Liq. 3; H226; Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit.2; H315	45-55
Ethylbenzene	WE: 202-849-4 CAS: 100-41-4 Index no.: 601-023-00-4 Registration no.: 01-2119489370-35-XXXX	Flam. Liq. 2; H225 Acute Tox. 4; H332 STOT RE 2; H373 (hearing organs) Acute Tox. 1; H304	5-10
Solvent naphtha (petroleum), light aromatic	EC: 265-199-0 CAS: 64742-95-6 Index no.: 649-356-00-4 Registration no.: 01-2119455851-35-XXXX	Classification 1272/2008/EC: with consideration of Note H and P Benzene content by weight (EINECS no. 200-753-7) <0.1%: Flam. Liq. 3; H226 STOT SE 3; H335, H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	0,1-0,3

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.

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.

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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.

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 well ventilated rooms at +5 °C to +35°C. Protect from influence of sunrays and heat sources.

7.3. Special end use(s)

Topcoat for INDUSTRIAL COATING SYSTEMS. For professional use in car refinishing 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/m³, 2(II),DFG, H
- Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]: TWA 50 mg/m³, 220mg/m³, STEL 100ppm, 441 mg/m³, Sk, BMGV

Ethylbenzen CAS 100-41-4 according to:

- TRGS 900: MAK: 100ppm, MAK: 440 mg/m³, 2(I),EU, H

Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]:
TWA 100 ppm, 441mg/m³, STEL 125ppm, 552 mg/m³, Sk

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SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

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	according to the specification
Odour	strong, powerful
Odour threshold	0.9-9 mg/m ³ (xylene)
pH	not applicable
Melting/freezing point	not applicable
Boiling point	127°C
Flash point	24°C
Autoignition point	about 450°C
Breakdown point	not specified
Evaporation rate	not specified
Flammability (solid, gas)	not applicable
Explosion limits	% bottom: 1.1 vol% top: 8.0 vol% (xylene)
Vapour pressure	8.7 hPa (20°C)
Vapour density (with regard to air)	3.66 (xylene)
Density	about 1.0 g/cm ³ (20°C)
Solubility (in water)	poor
N-octanol/water division ratio	3.12-3.2 (xylene)
Viscosity	>65 s
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.

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SECTION 10: STABILITY AND REACTIVITY

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

Xylene	LD ₅₀ (rat, oral)	5000 mg/kg
	LC ₅₀ (rat, inhalation)	4550 ppm/4h
Ethylbenzen	LD ₅₀ (rat, ingestion)	3500mg/kg
	LC ₅₀ (rat, inhalation)	4000ppm/4h
Solvent naphtha	LD ₅₀ (rat, oral)	3000 mg/kg

b) skin corrosion/irritation

Causes skin irritation.

c) serious eye damage/irritation

No available data confirming the hazard class.

d) respiratory or skin sensitisation

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

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.

g) reproductive toxicity

Suspected of damaging the unborn child.

h) STOT-single exposure

No available data confirming the hazard class.

i) STOT- repeated exposure

No available data confirming the hazard class.

j) aspiration hazard

No available data confirming the hazard class.

Exposure methods:

Inhalation: Harmful in case of inhalation.

Skin: Harmful in contact with skin. Causes skin irritation.

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.

Fumes 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

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

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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

Relevant hazard statements listed in Sections 2 to 15 (cont'd):

Flam.Liq.2 Liquid, flammable substances, category 2

H225 Flammable liquid and vapours

Flam. Liq.3 Flammable liquid. Category 3

H226 Flammable liquid and vapour

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

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

Asp. Tox. 1 Aspiration hazard

H304 May be fatal if swallowed and enters airways

Acute Tox. 4 Acute toxicity. Category 4

H332 Harmful if inhaled

H312 Harmful in contact with skin

Skin Irrit. 2 Corrosive/irritating effect on skin. Category 2

H315 Causes skin irritation. Category 2

STOT RE 2 Specific target organ toxicity – repeated exposure, Category 2

H373 May cause damage to organs through prolonged or repeated exposure

Aquatic Chronic 2 Hazardous to the aquatic environment – chronic hazard, Category 2

H411 Toxic to aquatic life with long lasting effects

EUH066 Repeated exposure may cause skin dryness or cracking

Abbreviations and acronyms:

CAS no. – a 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 **E**uropean **L**ist of **N**otified **C**hemical **S**ubstances (ELINCS), or a number in the "No-longer polymers" publication listed **E**uropean **I**nventory of **E**xisting **C**hemical **S**ubstances (EINECS).

MPC – (Poland: NDS) maximum permissible concentration of health hazardous substances in the work place.

MPIC – (Poland: NDSP) maximum permissible instantaneous concentration.

MPCC – (Poland: NDSP) maximum permissible ceiling concentration.

PCB – (Poland: DSB) 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 Dangerous Materials.

ICAO /IATA – Technical Instructions for the Safe Transport of Dangerous Goods by Air.

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

Training:

In handling, health and safety while working with hazardous substances and mixtures.

In transport of hazardous goods pursuant to the requirements of ADR regulations.

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