MATERIAL SAFETY DATA SHEET
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PRODUCT FOR CAR BODY PROTECTION ANTIGRAVITEX

SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION

1.1. Product identification

CAR BODY PROTECTOR ANTIGRAVITEX

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

One-component car body protector for professional use in car refinish.

1.3. Data of the safety data sheet supplier

Przedsiębiorstwo RANAL Sp. z o.o.
Ul. Warszawska 36a
PL 42-240 Rudniki
Tel: +48 34 329-45-03
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Person responsible for the safety data sheet

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1.4. Emergency telephone

+48 34 329-45-03 (from 7:30am to 3.:30pm)

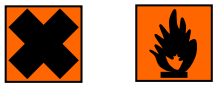
SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification 1999/45/WE:
The mixture was classified as dangerous according to current regulations – see section 15.
Harmful product. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Irritating to skin. May cause sensitization by skin contact. Harmful to fertility cat. 3: Possible risk of impaired fertility. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed. Highly flammable. Harmful to aquatic organisms; may cause long-term adverse effects in aquatic environment.

2.2. Label elements:

Contains: Toluene
Signs:



Risk symbol:
Xn Harmful
F Highly flammable

Risk index:

R11	Highly flammable.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R38	Irritating to skin.
R43	May cause sensitization by skin contact.
R62	Possible risk of impaired fertility.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R52/53	Harmful to aquatic organisms; may cause long-term adverse effects in aquatic environment.

Safety index:

S(2-)	Keep out of the reach of children.
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour / spray.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S38	In case of insufficient ventilation wear suitable respiratory equipment.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label where possible.

2.3. Other hazards
No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances
Not applicable
.
3.2. Mixtures

Product identification

CAR BODY PROTECTOR ANTIGRAVITEX

Substance name	Identification numbers	Classification and marking	Concentration [%]
Distilates C_6 (-rich (petroleum) contains < 0,1% mol.benzene no CAS: 71-43-2) <45% mol n-hexane no CAS 110-54-3:	WE: 296-903-4 CAS: 93165-19-6 Index no: 649-388-00-9 Registration no: --	Classification 67/548/EEC: note P F; R11 Repro.Cat.3; R62 Xn; R65-48/20 Xi; R38 R67 N; R51/53 Klasyfikacja 1272/2008/WE: Carc. 1B; H350 Muta. 1B; H340 ASP. Tox.1; H304	20-24,5%
Xylene	WE: 215-535-7 CAS: 1330-20-7 Index no: 601-022-00-9 Registration no: --	Classification 67/548/EEC: R10, Xn; R20/21 Xi; R38 Classification 1272/2008/WE: Flam. Liq. 3; H226; Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit.2; H315	<10%
Toluene	WE: 203-625-9 CAS: 108-88-3 Index no: 601-021-00-3 Registration no: --	Classification 67/548/EEC: F; R11 Xn; R48/20,R65 Xi; R38, R67 Repr.cat.3 R63 Classification 1272/2008/WE: Flam. Liq. 2 H225 Repr. 2; H361d Asp. Tox. 1 STOT RE 2; H304; H373 Skin Irrit. 2; H315 STOT SE 3; H336	5-9%
Calophony	WE: 232-475-7 CAS: 8050-09-7 Index no: 650-015-00-7 Registration no: --	Classification 67/548/EEC: Xi; R43 Classification 1272/2008/WE: Skin Sens. 1; H317	1-5%

Full text of the phrases identifying the types of hazard and R phrases provided in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

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

Inhalation:
Take the victim outside to the fresh air, ensure quiet surrounding, in case of no breath ensure artificial respiration. **Call a doctor.**

Skin:
Take off contamined clothing. Rinse contamined skin with plenty of lukewarm water for about 15 min. If irritation persists consult a doctor.

Eyes:
Rinse immediately with plenty of water for about 15 min, avoid strong water jet- risk of comea damage, consult a doctor.

Alimentary tract:
Do not cause 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 both acute and delayed
Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause drowsiness and dizziness. Repetitive exposure may cause skin dryness or cracking. May cause sensitization by skin contact.

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 monoxide.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency measures
For persons not being members of aid giving staff:
Remove ignition sources. Ensure sufficient ventilation of the room. Avoid direct contact with the released substance. Avoid contact with skin and eyes. Personal safety measures – see section 8 of Material Safety Data Sheet.

For persons being the members of aid giving staff:
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 Material Safety Data Sheet. Disposal considerations – see section 13 of the Material Safety Data Sheet.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES

7.1. Precautions for safe handling
Keep away from sources of ignition. Prevent leakage to the sewage system, surface waters, underground waters and soil. Use only in well ventilated rooms. Do not smoke. Do not inhale vapours. Avoid contact with skin and eyes. Take precaution measures against electrostatic discharge. Use personal protection measures – see section 8 of the Material 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 or 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. 7.3. Special end use(s)
One-component product for car body protection. 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 MEASURES

1. Control parameters

CAS NUMBER:	SUBSTANCE	MPC (mg/m^3)	MPIC (mg/m^3)	MPCC (mg/m^3)
1330-20-7	Xylene	100	---	---
108-88-3	Toluene	100	200	
110-54-3	n-hexane	72	---	---

National acceptable biological values:

CAS NUMBER:	SUBSTANCE ABSORBED	SUBSTANCE MARKED	BIOLOGICAL MATERIAL	PCB VALUES
1330-20-7	Xylene	methyl hippuric acid	urine*	0,75 g/g creatinine

CAS NUMBER:	SUBSTANCJA WCHŁANIANIA	SUBSTANCE MARKED	BIOLOGICAL MATERIAL	PCB VALUES
108-88-3	Toluene	o-cresol/ Toluene	urine*/ capillary blood	0,3 mg/l / 0,3 mg/l

Notice: * single sample, taken at the end of a daily exposure any day.

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, nitryl 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.

PRODUCT FOR CAR BODY PROTECTION ANTIGRAVITEX

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Parameter	Value
Physical state	liquid
Colour	according to specification
Odour	strong, powerful
Odour treshold	0.9-9 mg/m^3 (xylene)
pH	not applicable
Melting / freezing point	-72°C
Boiling point	60-110°C
Flash point	3°C
Autoignition point	300°C
Breakdown point	not applicable
Evaporation rate	no data available
Flammability (solid, gas)	not applicable
Explosion limits	% bottom: 1.2 vol% top: 7.0 vol% (toluene)
Vapour pressure	29 hPa (20°C) (toluene)
Vapour density(with regard to air)	3.66 (xylene)
Density	about 1.11 g/cm^3 (20°C)
Solubility (in water)	Very poor
n-oktanol/water division ratio	2.65 (toluene)
Viscosity	500-800 mPas
Explosive properties	not applicable
Oxidizing properties	not applicable

9.2. Other information
No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Product not reactive under normal conditions.

10.2. Chemical stability
Product stabile 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
Highly flammable. Avoid contact with strongly oxidizing agents, 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 based on the data on dangerous ingredients included in the preparation.

a) Acute toxicity
Xylene
LD_{50} (rat, ingestion) 5000 mg/kg
LC_{50} (rat, inhalation) 4550 ppm/4h

Toluene
LD_{50} (rat, ingestion) 5000 mg/kg
LC_{50} (rat, inhalation) 15320 mg/m^3 /4h

b) Irritating effect
Skin: irritating to skin and mucous membrane
Eyes: irritating effect

c) Caustic effect
Mixture is not classified as caustic. No available data confirming the hazard class.

d) Allergic effects
Mixture is not classified as allergic. No data available to confirm the hazard class.

e) Toxicity for repeated exposure
Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

f) Cancerogenity
Mixture is not classified as cancerogenic. No available data confirming the hazard class.

g) Mutagenity
Mixture is not classified as mutagenic. No available data confirming the hazard class.

h) Harmful effect on reproduction
Possible risk of impaired fertility. Possible risk of harm to the unborn child.

Exposure methods:
Respiratory tract: May irritate the respiratory tract.
Skin: May cause sensitization by skin contact. Repeated exposure may cause skin dryness or cracking.

Eyes: Irritating to eyes.

If swallowed the substance may cause irritation of alimentary tract, nausea, vomiting and diarrhea.
Harmful: may cause lung damage if swallowed.

Poisoning symptoms:
Headaches and dizziness, fatigue, decreased muscle power, drowsiness and in exceptional instances loss of consciousness.
Vapours may cause drawsiness and dizziness. Repeated exposure may cause skin dryness or cracking.

SECTION 12: ECOLOGICAL INFORMATION

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

12.1. Toxicity
Xylene
Daphnia magna /EC50 (48 hours) 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

Toluene
Daphnia magna /EC50 (48 hours) 11 mg/l
Acute toxicity for fish LC50 13mg/l/96 hours
Number in the catalogue of water hazardous substances: 194
Water hazard class: 2

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
Xylene
Biodegradation coefficient: BCF <100

12.4. Mobility in soil
Very poorly soluble in water.

12.5. Results of PBT and vPvB assesment
No data available.

12.6. Other hazardous effects
Harmful to aquatic organisms; may cause long-term adverse effects in aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Product must be disposed of in compliance with the proper local and statutory regulations with regard to waste – see point 15.
Product remains:
Waste code: 08 01 11* Do not dispose the product into the sewage system. Do not store with communal waste. Remove the remains of the mixture carefully and leave to evaporate.
CAUTION: The remains should be left to evaporate only in well ventilated rooms away from flammable products. Do not spray over a flame or glowing material. Do not smoke.
Contamined container:
A container with the remains of the product is harmful waste. Waste code: 15 01 10*. Do not store with communal waste. The contamined container should be disposed with entities which are authorized to collection, recover o disposal.

SECTION 14: TRANSPORT INFORMATION

14.1.UN number
1993

14.2. UN proper shipping name
LIQUID FLAMMABLE MATERIAL I.N.O. (toluene),

14.3. Transport hazard class (es)
3

14.4. Packaging group
II

14.5. Environmental hazards
NO

14.6. Special precautions for user
Do not transport together with products of class 1 (except products of class 1.4S), and some products of class 4.1 and 5.2. During the transport avoid direct contact with products of class 5.1 and 5.2. Do not use an open flame and do not smoke.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 Convention and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations / legislations specific for the substance or mixture
- Directive 67/548 /EWG (2006/121/WE)
- Directive 91/155/EWG (2001/58/WE)
- Directive 1999/45/EC (2006/8/WE)
- REACH – Regulation 2006/1907/WE
- CLP – Regulation 1272/2008/WE

15.2. Chemical safety assessment
Not performed

SECTION 16: OTHER INFORMATION

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

R10 Flammable.
R11 Highly flammable.
R20/21 Harmful by inhalation and in contact with skin.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R38 Irritating to skin.
R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 Possible risk of impaired fertility.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
Flammable Liquid cat. 2
Flammable Liquid cat. 3
H225 Highly flammable liquid and vapours.
H226 Flammable liquid and vapours.
Aspiration Toxicity cat. 1
STOT RE 2 Toxic effect on target organs – repeated exposure STOT cat.2
H304 May be fatal if swallowed and enters airways.
H373 May cause damage to organs through prolonged or repeated exposure.
Muta. 1B
H340 May cause genetic defects.
Carc. 1B
H350 May cause cancer.
Repr. 2
H361 Suspected of damaging fertility or the unborn child.
STOT SE 3 Toxic effect on target organs – single exposure, cat. 3
H336 May cause drowsiness or dizziness.
Acute Tox. 4
H332 Harmful if inhaled.
H312 Harmful in contact with skin.
Skin Irrit. 2
H315 Causes skin irritation category 2
EUH066 Repeated exposure may cause skin dryness or cracking.
Skin. Sens. 1
H317 May cause an allergic skin reaction.

16.2. Explanations of the abbreviations and acronyms used in the Material Safety Data Sheet:
Nr CAS – numerical symbol ascribed to a chemical substance by the American organization Chemical Abstracts Service (CAS).
Nr EC – 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 mentioned 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

Information contained herein is based on our current knowledge. This document does not constitute a warranty for product characteristics.
Classification of the product results from application of classification policies included in the guidelines 1999/45/EC.

Changes: General update