

SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION**1.1. Product identification**
ANTI SILICONE ADDITIVE**1.2. Relevant identified uses of the substance or mixture and uses advised against**

An additive for preventing formation of silicone craters („fish eyes”).
For professional use in car refinishing.

1.3. Data of the safety data sheet supplier**Przedsiębiorstwo RANAL Sp. z o.o.**

Ul. Łódzka 3

42-240 Rudniki k. Częstochowy, PL

Phone: +48 34 329 45 03

Fax: + 48 34 320 12 16

Registration number: 000029202

Person responsible for the safety data sheet:

ranal@ranal.pl

1.4. Emergency telephone

+48 +48 34 329-45-03 (8.00am - 03.00pm)

SECTION 2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture**

The mixture was classified as dangerous according to current regulations – see section 15.

Classification 1272/2008/EC:

Acute toxicity (after application in skin) and acute toxicity (after inhalation), hazard category 4 (Acute Tox. 4). Harmful in contact with skin or if inhaled. Causes skin irritation, hazard category 2 (Skin Irrit. 2). Causes skin irritation. Flammable liquids, hazard category 3 (Flam. Liq. 3). Flammable liquid and vapour.

2.2. Label elements

Contains:

Xylene.

Pictograms:

Warning word: **Warning.**

Risk index:

H226 Flammable liquid and vapour.
H312+H332 Harmful in contact with skin or if inhaled.
H315 Causes skin irritation.

Safety index:

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 data.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

Not applicable.

3.2. Mixtures

Product identification

ANTI SILICONE ADDITIVE

**Substance name
Concentration [% weight]
Identification numbers
Classification and labelling**

Xylene
90-95%
EC: 215-535-7
CAS: 1330-20-7
Index No: 601-022-00-9
Registration No: 01-2119457861-32-XXXX
Flam. Liq. 3, H226; Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Irrit. 2, H315.

Solvent naphtha (petroleum), light, containing aromatic hydrocarbons
<1%
EC: 265-199-0
CAS: 64742-95-6
Index No: 649-356-00-4
Registration No: 01-2119455851-35-XXXX
With Note H and Note P weight content of benzene (EINECS No 200-753-7) less than <0,1%:
Flam. Liq. 3, H226; STOT SE 3, H335, H336; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; EUH066.

Full text of the phrases identifying the types of hazard and 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.

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

Skin:
Take off contaminated clothing. Rinse contaminated 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 cornea 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

Vapours may cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking.

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

Carbon monoxide may be generated in case of fire.

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.

ANTI SILICONE ADDITIVE

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 heat and 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 well 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 sunrays and heat sources.

7.3. Special end use (s)

An additive for preventing formation of silicone craters („fish eyes“). For professional use in car body refinish taking into consideration the information included in subsections 7.1 and 7.2.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION MEASURES**8.1. Control parameters**

CAS No	1330-20-7
SUBSTANCE	Xylene
MPC (mg/m ³)	100
MPIC (mg/m ³)	---
MPCC (mg/m ³)	---

National acceptable biological values:

CAS NUMBER	1330-20-7
SUBSTANCE ABSORBED	xylene
SUBSTANCE MARKED	methyl hippuric acid
BIOLOGICAL MATERIAL	urine*
PCB VALUES	0.75 g/g creatinine

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

PN-EN 482: 2012	Occupational exposure – General requirements for the characteristics of procedures of measurements of chemical factors.
PN-EN-689: 2002	Workplace atmospheres. Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values.
PN Z-04008-7:2002	Protection of air cleanliness. Sampling. Principles of air sampling in the work environment and interpretation of results

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., nitril rubber, 0.4 mm thick, penetration time >30 min.).

Eyes protection:

Tight protective glasses.

ANTI SILICONE ADDITIVE

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	clear
Odour	strong, powerful
Odour threshold	0.9-9 mg/m ³ (xylene)
pH	not applicable
Melting/freezing point	-25°C
Boiling point	about 140°C
Flash point	24°C
Autoignition point	about 400°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	9 hPa (20°C) (xylene)
Vapour density (with regard to air)	3.66 (xylene)
Density	about 0.95 g/cm ³ (20°C)
Solubility (in water)	poor
n-octanol/water partition coefficient	3.12-3.2 (xylene)
Kinematic viscosity	3 mm ² /s (40°C)
Explosive properties	not applicable
Oxidizing properties	not applicable

9.2. Other information

No data.

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Product not reactive under normal conditions.

10.2. Chemical stability

Product stable under normal conditions.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to be avoided

Flammable product. Avoid contact with strong oxidants, 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 based on the data on dangerous ingredients included in the preparation.

a) Acute toxicity

Xylene	
LD ₅₀ (rat, ingestion)	4300 mg/kg
LC ₅₀ (rat, inhalation)	5000 ppm/4h
LD ₅₀ (rabbit, skin)	1700 mg/kg

b) Caustic/irritating effect on skin

Causes skin irritation.

c) Serious eye damage/eye irritation

No available data confirming the hazard class.

d) Allergic effects on skin or respiratory tract

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

e) Mutagenic effect on germ cells

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

f) Carcinogenicity

The mixture is not classified as carcinogenic. No available data confirming the hazard class.

g) Harmful effect on reproduction

The mixture is not classified as harmful to reproduction. No available data confirming the hazard class.

h) Toxic effect on target organs – single exposure

No available data confirming the hazard class.

i) Toxic effect on target organs – repeated exposure

No available data confirming the hazard class.

j) Aspiration hazard

No available data confirming the hazard class.

Exposure methods:

Respiratory system: Harmful if inhaled.

Skin: Harmful in contact with skin.

Eyes: Possible irritating effect.

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

Poisoning symptoms:

Headaches and dizziness, fatigue, decreased muscle power, drowsiness and in exceptional instances loss of consciousness.

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 h):

7.4 mg/l

Acute toxicity for mammals:

3; for fish: 4.1

Number in catalogue of water hazardous substances:

206

Water hazard class:

2

12.2. Persistence and degradability

No data.

12.3. Bioaccumulative potential

Xylene

Bioconcentration factor:

BCF <100

12.4. Mobility in soil

Very poorly soluble in water.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other hazardous effects

No data available.

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 section 15. Forward to entities that have been authorized to collect, recover or dispose of waste.

Product remains:

Waste code 07 01 04*

Other organic solvents, washing liquids and mother liquors. Do not dispose the product into the sewage system. Do not store with communal waste. Remove the remains of the product from the container and let it dry completely (only in well ventilated rooms).

CAUTION: Let the remains dry only in well ventilated rooms away from flammable products.

Contaminated container:

A container with the residues of the product is harmful waste.

Waste code: 15 01 10*

Packaging containing residues of or contaminated by dangerous substances (e.g. pesticides of I and II class of toxicity – very toxic and toxic). Do not store with communal waste. The contaminated container should be disposed with entities which are authorized to collection, recover o disposal.

SECTION 14: TRANSPORT INFORMATION

ADR/RID
IMO/IMGD
IATA-DGR

14.1. UN number

1263
1263
1263

14.2. UN proper shipping name

PAINT RELATED MATERIAL

14.3. Transport hazard class (es)

3
3
3

14.4. Packaging group

III
III
III

14.5. Environmental hazards

No
No
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:

- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. Official Journal of EU L 136 of May 29 2007.
- Official Journal of EU L 304 of November 22 2007, Official Journal of EU L268 of October 09 2008, Official Journal of EU L 46 of February 17 2009, Official Journal of EU L164 of June 26 2009, Official Journal of EU L133/1 of May 31 2010 with later amendments.
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending

ANTI SILICONE ADDITIVE

Regulation (EC) No 1907/2006 (Official Journal of EU L 353 of December 31 2008), Official Journal of the EU L 235 of September 5 2009, Official Journal of the EU L 83 of March 30 2011, Official Journal of the EU L 179 of July 11 2012. Official Journal of the EU L 149 of June 1 2013, Official Journal of the EU UE L 261 of September 3 2013, Official Journal of the EU L 167 of June 6 2014, Official Journal of the EU L 197 of July 25 2015.

- Commission Regulation (EU) 2015/830 of May 28 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Official Journal of the EU L 132 of May 29 2015.

15.2. Chemical safety assessment

Not performed.

SECTION 16: OTHER INFORMATION

Full text of hazard statements mentioned in sections 2-15 of the Sheet:

Flam. Liq. 3	Flammable Liquids, cat. 3.
H226	Flammable liquid and vapour.
Acute Tox. 4	Acute toxicity, cat. 4.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.
Skin Irrit. 2	Caustic/irritating effect on skin, cat. 2.
H315	Causes skin irritation, cat. 2.
Asp. Tox. 1	Aspiration hazard, cat. 1.
H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 2	Hazardous for aquatic environment – chronic hazard, cat. 2.
H411	Toxic to aquatic life with long-lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
STOT SE 3	Toxic effect on target organs – single exposure, cat. 3.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

Explanations of the abbreviations and acronyms used in the Material 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 (EINECS), or number in the list the chemical substances mentioned in the publication “No-longer polymers”.
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 Concerning International Carriage of Dangerous Goods by Road.
IMO	International Maritime Organization.
RID	Regulation for International Rail Transport of Dangerous Goods.
IMDG-Code	International Maritime Dangerous Goods Code.
ICAO /IATA	Technical Instructions for Safe Air Transport of Dangerous Goods.

Classification based on calculation method according to classification rules included in Regulation 1272/2008/EC.

Other data sources:

ECHA European Chemicals Agency

TOXNET Toxicology Data Network

IUCLID International Uniform Chemical Information Database

Changes in the Sheet compared to the previous version:

Section 1.3, general update.

Number of the Sheet: 060P1L2018V2