

BUMPER PAINT – STRUCTURAL PAINT FOR BUMPERS**SECTION 1: SUBSTANCE/MIXTURE IDENTIFICATION AND MANUFACTURER/SUPPLIER IDENTIFICATION****1.1. Product identification****BUMPER PAINT – STRUCTURAL PAINT FOR BUMPERS****1.2. Relevant identified uses of the substance or mixture and uses advised against**

No additional information.

1.3. Data of the safety data sheet supplier**Przedsiębiorstwo RANAL Sp. z o.o.**Ul. Łódzka 3
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Phone: +48 34 329 45 03
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Registration number: 000029202**Person responsible for the safety data sheet:**ranal@ranal.pl**1.4. Emergency telephone**

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

Classification according to the Regulation (EC) No 1272/2008.



GHS02 flame

Flam. Liq. 3, H226 Flammable liquid and vapours.



GHS07

STOT SE 3, H336: May cause drowsiness or dizziness.
Aquatic Chronic 3, H412: Harmful to aquatic life with long lasting effects.**2.2. Label elements**

Labelling according to the Regulation (WE) 1272/2008.

The product has been classified and labelled according to the CLP Regulation.

Pictograms:

Warning word: **WARNING.****Hazard statements:**n-butyl acetate.
Solvent naphtha (petroleum), light arom.**Hazard statements:**H226 Flammable liquid and vapours.
H336 May cause drowsiness or dizziness.**Precautionary statements:**P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P261 Do not breathe dust/fumes/gas/mist/vapours/spray.

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P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

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

Not applicable.

3.2. Mixtures**Product identification**

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Description: Mixture of the substances listed below with harmless components.

Dangerous components:		
CAS: 123-86-4 EINECS: 204-658-1 Reg. no.: 01- 2119485493-29	n-butyl acetate  Flam. Liq. 3, H226;  STOT SE 3, H336	25-50%
CAS: 108-65-6 EINECS: 203-603-9 Reg. no.: 01- 2119475791-29	2-methoxy-1-methyl ethyl acetate  Flam. Liq. 3, H226	2,5-<10%
EC number: 918-668-5 Reg. no.: 01- 2119455851-35	Solvent naphtha (petroleum), light arom.  Flam. Liq. 3, H226;  Asp. Tox. 1, H304;  Aquatic Chronic 2, H411;  STOT SE 3, H335-H336	0,25-<2,5%

Additional information: Full text of the phrases identifying the types of hazard provided in section 16

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures**

Inhalation: Ensure fresh air, if needed call a doctor.
 Contact with skin: Immediately wash with water and soap and rinse thoroughly.
 Contact with eyes: Rinse eyes with eyelids open for several minutes under running water.
 Ingestion: If symptoms persist, consult a doctor.

4.2. Most important symptoms both acute and delayed

Effects of exposure: The most important symptoms both acute and delayed as well as effects of exposure are described on the label (see section 2) and/or section 11 of the sheet.

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

No data.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media**

Suitable extinguishing media: CO₂, sand, extinguishing powder. Do not use water.
 Extinguishing media unsuitable due to safety reasons: Strong jet of water.

5.2. Special hazards arising from the substance or mixture

No data.

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Protective equipment: No special measures needed.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency measures**

Use protective equipment. Keep away from unprotected persons.

6.2. Environmental precautions

Avoid contamination of sewage system / surface water / ground water.

6.3. Methods and materials for containment and cleaning up

Collect leaked substance with the use of binding agents (sand, diatomaceous earth, acid binding agent, universal binding agent, sawdust). Do not clean with water or water based cleaning agents.

6.4. Reference to other sections

Information on safe handling – see section 7 of the sheet.

Information on personal protective measures – see section 8 of the sheet.

Information on waste treatment – see section 13 of the sheet.

SECTION 7: HANDLING AND STORAGE OF SUBSTANCES AND MIXTURES**7.1. Precautions for safe handling**

Use only in well ventilated places.

Indications for fire and explosion protection:

Keep away from ignition sources – do not smoke.

Take precautions against electrostatic discharges.

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements concerning storerooms and containers: No special requirements.

Information on storage in a common storeroom: Keep away from food.

Additional information concerning storage conditions: Store the containers tightly sealed.

Storage class: 3

7.3. Special end use(s)

No data.

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

Components with limit values requiring monitoring at a workplace:	
123-86-4 n-butyl acetate	
MPC	MPIC: 950 mg/m ³ MPC: 200 mg/m ³
108-65-6 2- 2-methoxy-1-methyl ethyl acetate	
MPC	MPIC: 520 mg/m ³ MPC: 260 mg/m ³

Additional information: The lists valid during production were used as the basis.

8.2. Exposure control

Personal protective measures:

General measures of protection and hygiene: Wash hands before breaks and at the end of work.

Respiratory protection:

In case of short time exposure or low contamination level use respiratory filter.

In case of intense or long term exposure use self-contained breathing apparatus.

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Due to lack of tests, recommendations regarding the material of the gloves intended to work with the product / preparation / mixture are not formulated.

Material of the gloves has to be impermeable and resistant to product/substance/preparation.

When choosing the gloves material, the penetration time, diffusion and degradation rate should be taken into account.

Material of the gloves

The choice of suitable gloves depends not only on material, but also on other quality features and varies depending on the manufacturer. As the product is a preparation composed of several substances, resistance of the gloves' material cannot be estimated in advance and has to be verified before use.

Czas przenikania materiału rękawic

The exact time of penetration of the gloves' material has to be determined by the manufacturer and has to be observed.

Eyes protection:

Tightly fitting glasses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****Appearance:**

Form:	liquid
Colour:	According to product specification
Odour:	Characteristic
Odour threshold:	Not specified.
pH value:	Not specified.

Change in condition:

Melting/ freezing point:	Not specified.
Boiling point / Boiling range:	124°C
Flash point:	26°C (DIN 53213)
Flammability (solid, gas):	Not applicable.
Autoignition point:	315°C (DIN 51794)
Breakdown point:	Not specified.
Autoignition:	Product is not self igniting.
Danger of explosion:	Product is not explosive but formation of explosive mixtures of vapours with air is possible.

Explosion limits:	bottom: 1.2 Vol %, top: 7.5 Vol %
Vapour pressure at 20°C:	10.7 hPa
Density at 20°C:	0.989 g/cm ³ (DIN 53217)
Relative density:	Not specified.
Vapour density:	Not specified.
Evaporation rate:	Not specified.
Solubility in / Miscibility with water: (n-octanol/water) partition coefficient:	Not miscible or difficult to mix.

Viscosity:

Dynamic:	Not specified.
Kinematic at 20°C:	215 s (DIN 53211/4)

Solvent content:

VOC (EC)	50.00 %
Solid particles content (weight-%):	51.3 %

9.2. Other information

No data.

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

No data.

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Thermal decomposition / conditions to be avoided: There is no thermal decomposition if the product is used according to specification.

10.3. Possibility of hazardous reactions

Hazardous reactions unknown.

10.4. Conditions to be avoided

No data.

10.5. Incompatible materials

No data.

10.6. Hazardous decomposition products

Carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****a) Acute toxicity:**

LD/LC50 values relevant for the classification:

64742-95-6 Solvent naphtha (petroleum), light arom.

Ingestion	LD50	>2000 mg/kg (rat)
Skin	LD50	>2000 mg/kg (rat)

b) Caustic/irritating effect on skin:

Based on available data, classification criteria are not met.

c) Serious eye damage / eye irritation:

Based on available data, classification criteria are not met.

d) Allergic effect on respiratory tract or skin:

Based on available data, classification criteria are not met.

e) Carcinogenicity, mutagenicity and harmful effect on reproduction (CMR):

Mutagenic effect on germ cells: Based on available data, classification criteria are not met.

Carcinogenicity: Based on available data, classification criteria are not met.

Harmful effect on reproduction: Based on available data, classification criteria are not met.

f) Toxic effect on target organs – single exposure:

May cause drowsiness or dizziness.

g) Toxic effect on target organs – repeated exposure:

Based on available data, classification criteria are not met.

h) Aspiration hazard:

Based on available data, classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Toxicity for aquatic life: No data.

12.2. Persistence and degradability

No data.

12.3. Bioaccumulative potential

No data.

12.4. Mobility in soil

No information.

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Water hazard class 1 (self assessment): harmful to water to a limited extent.

Prevent undiluted product or large quantities of the product from entering ground water, surface water or sewage system.

12.5. Results of PBT and vPvB assesment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other hazardous effects

No data.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Recommendation:

Do not dispose of together with household waste. Prevent the product from entering the sewage system.

European waste catalogue: 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances

Uncleaned container:

Recommendation: Dispose of according to applicable law.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

ADR, IMDG, IATA UN1263

14.2. UN proper shipping nameADR 1263 PAINT, special provisions 640E
IMDG, IATA PAINT**14.3. Transport hazard class (es)**

ADR

Class 3 (F1) Flammable liquids.
Label 3
IMDG, IATAClass 3 Flammable liquids
Label 3**14.4. Packaging group**

ADR, IMDG, IATA III

14.5. Environmental hazards

Contamination of marine water: No

14.6. Special precautions for users**Warning:** Flammable liquids.

Hazard code (Kemler): 30

EMS number: F-E,S-E

Stowage Category A

14.7. Transport in bulk according to Annex II of MARPOL 73/78 Convention and the IBC Code

Not applicable.

Transport/Additional information:

ADR

Transport category 3

Tunnel transport restriction code : D/E

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Remarks: < 450 l: -

IMDG

Ograniczone ilości (LQ)

Remarks:

5L

< 30 l: -

UN Model regulation : UN1263, PAINT, 3, III

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations / legislations specific for the substance or mixture**

- Road and rail transport ADR/RID according to Government Statement of May 28 2013 on the entry into force of the amendments to annexes A and B of the European Agreement on international carriage of dangerous goods by road (ADR), drawn up in Geneva September 30 1957. (Official Journal 2013, item 815) and Act of March 28 2003 on rail transport-unified text (Official Journal no 86, item 789 with later amendments).
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of December 18 2006 on registration, evaluation, authorization and restrictions (REACH), Official Journal of the EU L 396 of December 30 2006 with later amendments.

Labelling according to Regulation (EC) no 1272/2008:

- Regulation (EC) No 1272/2008 of December 16 2008 on Classification, Labelling and Packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006 with later amendments.
- Commission Regulation (EU) No 453/2010 of May 20 2010; amending Regulation (EC) No 1907/2006 Of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
- Directive of the European Parliament and of the Council 2008/98/EC of November 19 2008 on wastes and repealing some directives with later amendments.
- Directive 94/62/EC of the European Parliament and of the Council of December 20 1994 on containers and wastes in containers with later amendments.

GHS label elements

2012/18/EU

Indicated dangerous substances – ANNEX I: none of the components is present on the list.

Seveso category P5c FLAMMABLE LIQUIDS

Threshold quantities (tonnes) relating to the application of requirements for increased risk establishments: 5.000 t

Threshold quantities (tonnes) relating to the application of requirements for high risk establishments 50.000 t

Regulation (EC) no 1907/2006 ANNEX XVII Restriction conditions: 3

Regulations of individual countries:**Class share in %**

NK 50-100

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

The data is based on our current knowledge, however, they do not definitively determine production properties and cannot be a justification for valid contracts.

Relative phrases:

H226 Flammable liquid and vapours.
 H304 May be fatal if swallowed and enters airways.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

RID: Regulation on international rail transport of dangerous goods
 ICAO: International Civil Aviation Organisation
 ADR: European Agreement on international road transport of dangerous goods
 IMDG: International Marine Code of Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally harmonized system of classification and labelling of chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances

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CAS: Chemical Abstract Service
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 per cent
LD50: Lethal dose, 50 per cent
PBT: persistent, bioaccumulative and toxic
vPvB: very persistent and very bioaccumulative
Flam. Liq. 3: flammable liquids – category 3
STOT SE 3: toxic effect on target organs (single exposure) – category 3.
Asp. Tox. 1: aspiration hazard – category 1
Aquatic Chronic 2: hazardous for aquatic life – long lasting hazard for aquatic life – category 2.

Changes in the material safety data sheet: General update.

*Data changed in relation to previous version.

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