

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

**1.1. Product identification**

Trade name: Antigravitex PROFESSIONAL

**UFI:**

YT40-90M3-7002-VAD4 BLACK

9W40-T09G-H00J-HNY6 GREY

4050-90YV-U002-60J8 WHITE

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

No data.

Use of the substance / mixture: anti-corrosion additive

**1.3. Data of the safety data sheet supplier**

**RANAL Sp. z o.o.**

Ul. Łódzka 3

Tel.: +48 34 329-45-03

Fax: + 48 34 320 12 16

PL 42-240 Rudniki

Registry number: 000029202

Person responsible for the safety data sheet: ranal@ranal.pl

**1.4. Emergency telephone**

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

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

Classification according to Regulation 1272/2008/EC:



GHS02

Flam. Liq. 2

H225 Highly flammable liquid and vapour.



GHS09

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2

H315 Causes skin irritation.

STOT SE 3

H336 May cause drowsiness or dizziness.

**2.2. Label elements**

Labelling according to Regulation 1272/2008/EC.

The product was classified and labelled according to CLP Regulation.

Hazard pictograms:



GHS02



GHS07



GHS09

Warning word: **Danger.**

Label elements indicating the types of hazard:

Naphtha (petroleum) hydrotreated, light

Naphtha (petroleum) hydrotreated, light

Naphtha (petroleum) hydrotreated, light

Solvent naphtha (petroleum), light aromatic.

Risk index

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long-lasting effects.

Safety index:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take precautionary measures against static discharge.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P403+P233 Store in a well ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

**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. Chemical description: Mixtures**

**Description:** Mixture of the following substances with additives.

<b>Dangerous components:</b>		
CAS: 64742-49-0 927-510-4 Registration no: 01-2119475515-33	Naphtha (petroleum), hydrotreated light Flam. Liq.2, H225, Asp.Tox1, H304; Aquatic Chronic2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	10<25%
CAS: 64742-49-0 920-750-0 Registration no: 01-2119473851-33-0001	Naphtha (petroleum), hydrotreated light Flam. Liq.2, H225, Asp.Tox1, H304; Aquatic Chronic2, H411; STOT SE 3, H336	5<10%
CAS: 64742-49-0 921-024-6 Registration no: 01-2119475514-35	Naphtha (petroleum), hydrotreated light Flam. Liq.2, H225, Asp.Tox1, H304; Aquatic Chronic2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	5<10%
CAS: 64742-95-6 918-668-5 Registration no: 01-2119455851-35	Solvent naphtha (petroleum), light aromatic Naphtha (petroleum), hydrotreated light Flam. Liq.2, H225, Asp.Tox1, H304; Aquatic Chronic2, H411; STOT SE 3, H335- H336	5<10%

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**

General indications:

Immediately take off contaminated clothing.

Respiratory tract:

In case of loss of consciousness place the patient stably in the lateral position for transportation.

Contact with skin:

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

If skin irritation persists consult a doctor.

Contact with eyes:

Rinse open eye with running water for several minutes.

If the symptoms persist, consult a doctor.

Alimentary tract:

If the symptoms persist, consult a doctor.

**4.2. Most important symptoms both acute and delayed**

No data available.

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

No data available.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

Suitable extinguishing media: Sand. Do not use water.

CO<sub>2</sub>, sand, extinguishing powder, do not use water.

Extinguishing media unsuitable due to safety rules:

Water, strong water jet.

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**5.2. Special hazards arising from the substance or mixture**

No data available.

**5.3. Advice for firefighters**

Protective equipment: Respiratory protection.

Additional information: Cool endangered containers with water spray.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency measures**

Use protective equipment. Keep unprotected persons away from the area of accident.

Avoid contact with skin, eyes and clothes.

**6.2. Environmental precautions**

Prevent leakage to the sewage system or waterways.

Prevent leakage into the sewage system, excavations and cellars.

In case of leakage into the sewage system or waterway inform adequate services.

Prevent leakage into sewers, surface and ground water.

**6.3. Methods and materials for containment and cleaning up.**

Collect with a liquid-binding material (sand, diatomaceous sand, acid binding measures, universal binding agents, sawdust)

Dispose of contaminated material as waste according to section 13.

Ensure adequate ventilation.

Do not wash with water or water based cleaning agents.

**6.4. Reference to other sections**

Information on safe handling – see section 7

Information on 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**

Ensure good ventilation/exhaustion in a workplace.

Use only in well ventilated rooms.

**Information concerning fire and explosion protection:**

Keep away from ignition sources – Do not smoke.

Use measures against electrostatic discharges.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage:**

**Requirements concerning storerooms and packagings: Store in cool rooms.**

**Information concerning storage in a common storeroom: not applicable.**

**Other information concerning storage conditions:**

Store in tightly closed containers.

Store in a cool and dry place in tightly closed containers.

**7.3. Special end use(s)**

No available data.

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION MEASURES**

**8.1. Control parameters**

**Additional information concerning technical equipment:** no additional information, see section 7.

**Components with limit values that require monitoring at a workplace:**

The product does not contain significant quantities of materials with critical values that need to be monitored at a workplace.

<b>DNEL</b>		
<b>CAS: 64742-49-0 Naphtha (petroleum) hydrotreated light</b>		
Ingestion	Long term systemic, general population	149 mg/kg bw/day (general population)
Skin	Long term systemic, worker	300 mg/kg bw/day (worker)
	Long term systemic, general population	149 mg/kg bw/day (general population)
Inhalation	Long term systemic, worker	2085 mg/m <sup>3</sup> (worker)
	Long term systemic, general population	477 mg/m <sup>3</sup> (general population)
<b>CAS: 64742-49-0 Naphtha (petroleum) hydrotreated light</b>		
Ingestion	Long term systemic, general population	699 mg/kg bw/day (general population)
Skin	Long term systemic, worker	773 mg/kg bw/day (worker)
	Long term systemic, general population	699 mg/m <sup>3</sup> (general population)
Inhalation	Long term systemic, worker	2035 mg/m <sup>3</sup> (worker)
	Long term systemic, general population	608 mg/m <sup>3</sup> (general population)
<b>CAS: 64742-49-0 Naphtha (petroleum) hydrotreated light</b>		
Ingestion	Long term systemic, general population	699 mg/kg bw/day (general population)
Skin	Long term systemic, worker	773 mg/kg bw/day (worker)

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	Long term systemic, general population	699 mg/m <sup>3</sup> (general population)
Inhalation	Long term systemic, worker	2035 mg/m <sup>3</sup> (worker)
	Long term systemic, general population	608 mg/m <sup>3</sup> (general population)
<b>CAS: 64742-95-6 Solvent naphtha (petroleum) light aromatic</b>		
Doustnie	Long term systemic, general population	11 mg/kg bw/day (general population)
Skin	Long term systemic, worker	25 mg/kg bw/day (worker)
	Long term systemic, general population	11 mg/kg bw/day (general population)
Inhalation	Long term systemic, worker	150 mg/m <sup>3</sup> (worker)
	Long term systemic, general population	32 mg/m <sup>3</sup> (general population)

**Additional information:** Based on the lists available during preparation of the sheet.

**8.2. Exposure control**

**Personal protection measures:**

General measures of protection and hygiene:  
 Store away from food, drinks and feed.  
 Immediately take off contaminated clothes.  
 Wash hands before breaks and at the end of work.  
 Avoid contact with skin.  
 Avoid contact with eyes and skin.

Respiratory protection:  
 Not required.

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.).

Material of gloves  
 The choice of adequate gloves depends not only on the material, but also on other quality characteristics and varies depending on the manufacturer. The product is a mixture of several substances, so resistance of the material cannot be estimated in advance and has to be verified before using the product.  
 Fluorine rubber (Viton)  
 Recommended thickness of material: ≥12 mm  
 Penetration time of gloves' material: >480 min.  
 Exact breakdown point has to be specified by the manufacturer and has to be observed.

Eye protection:  
 Tight protective glasses.

Body protection:  
 Protective overalls.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

**General information**

<b>Physical state</b>	liquid
<b>Colour</b>	Black
<b>Odour</b>	Characteristic
<b>Odour threshold</b>	Not specified
<b>pH</b>	not specified
<b>Melting point/melting range</b>	Not specified
<b>Boiling point/boiling range</b>	60°C
<b>Flash point</b>	-5°C (DIN 53213)
<b>Flammability (solid, gas)</b>	Not applicable
<b>Ignition point</b>	>200°C
<b>Breakdown point</b>	Not specified
<b>Autoignition</b>	The product is not self-ignitable
<b>Explosion risk</b>	The product is not explosive, but formation of explosive mixtures with the air is possible.
<b>Explosion limits</b>	Bottom: 0.6 VOL% Top: 7.0 VOL%
<b>Vapour pressure at 20°C</b>	60 hPa
<b>Density at 20°C</b>	1.09 g/cm <sup>3</sup> (DIN 51757)
<b>Relative density</b>	not specified
<b>Vapour density</b>	not specified
<b>Evaporation rate</b>	not specified
<b>Solubility in water/miscibility with water</b>	It does not mix with water or is very hard to mix
<b>n-octanol/water partition coefficient</b>	Not specified
<b>Viscosity</b>	Dynamic at 20°C : 1300mPas Kinematic: not specified
<b>Solvents content</b>	Organic solvents: 46.2% Water 0.1%
<b>Solids content</b>	53.7% (DIN 53216)

## 9.2. Other information

No data available.  
VOC (EU): 46.22%  
VOC (EU): 503.7 g/l  
Regulation VOCV: 46.21%

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

Hazardous reactions unknown.

### 10.4. Conditions to be avoided

No data available.

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

Carbon monoxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

**a) Acute toxicity:** Based on available data classification criteria are not met.  
LDL/LC50 values important for the classification

#### CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Ingestion LD50 >5840 mg/kg (rat)  
Skin LD50 >2920 mg/kg (rat)  
Inhalation LC50/4 hours >23.3 mg/l (rat)

#### CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Ingestion LD50 >5000 mg/kg (rat)  
Skin LD50 >2800 mg/kg (rabbit)  
Inhalation LC50 >23.3 mg/l (rat)

#### CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light

Ingestion LD50 >5840 mg/kg (rat)  
Skin LD50 >2920 mg/kg (rabbit)  
Inhalation LC50/4 hours >25.2 mg/l (rat)

#### CAS: 64742-95-6 Solvent naphtha (petroleum) light aromatic

Ingestion LD50 3592 mg/kg (rat)  
Skin LD50 >3160 mg/kg (rabbit)  
Inhalation LC50/4 hours >6193 mg/l (rat)

### Caustic effect

Caustic/irritating effect on skin: Causes skin irritation.  
Serious eye damage/eye irritation: based on available data classification criteria are not met.

**Allergic effect on respiratory tract or skin:** based on available data classification criteria are not met.

**Additional toxicological information:** no data available.

**Carcinogenicity, mutagenicity and toxic effect on reproduction**

**Mutagenicity of germ cells:** based on available data classification criteria are not met.

**Carcinogenicity:** based on available data classification criteria are not met.

**Toxic effect on reproduction:** based on available data classification criteria are not met.

**STOT- single exposure:** may cause drowsiness or dizziness.

**STOT- repeated exposure:** based on available data classification criteria are not met.

**Aspiration hazard:** based on available data classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

Toxicity for aquatic environment:	
<b>CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light</b>	
LL50/96 hours	>13.4 mg/l (Salmo Gairdneri/Oncorhynchus Mykiss)
EL50/48 hours	3 mg/l (Daphnia Magna)
EL50/72 hours	10-30 mg/l (Selenastrum Capricornutum)
<b>CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light</b>	
LL50/96 hours	>13.4 mg/l (Salmo Gairdneri/Oncorhynchus Mykiss)
EL50/48 hours	3 mg/l (Daphnia Magna)
EL50/72 hours	10-30 mg/l (Selenastrum Capricornutum)

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<b>CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light</b>	
LL50/96 hours	11.4 mg/l (Salmo Gairdneri/Oncorhynchus Mykiss)
EC50/48 hours	10 mg/l (Phaeophyta)
EL50/48 hours	3 mg/l (Daphnia Magna)
EL50/72 hours	30-100 mg/l (Selenastrum Capricornutum)
<b>CAS: 64742-95-6 Solvent naphtha (petroleum) light aromatic</b>	
LL50/96 hours	9.2 mg/l (Salmo Gairdneri/Oncorhynchus Mykiss)
EC50/48 hours	7.4 mg/l (Daphnia Magna)
EL50/48 hours	3.2 mg/l (Daphnia Magna)
EL50/72 hours	2.9 mg/l (Selenastrum Capricornutum)

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**Ecotoxicological effects:**

**Caution: Toxic for fish**

**Additional information:**

**General information:**

Water hazard class 2 (German Regulation) (self assessment): harmful for water.

Avoid leakage into ground water, waterways or sewage system.

Hazard for drinking water even in case for small leakage into soil.

Toxic for fish and plankton in water reservoirs.

Toxic for aquatic life.

**12.5. Results of PBT and vPvB assesment**

PBT: not applicable

vPvB: not applicable

**12.6. Other hazardous effects**

No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

**Recommendation**

Do not store with communal waste. Prevent leakage into sewage system. Dispose of as dangerous waste.

<b>European waste catalogue</b>	
HP 3	Flammable
HP 4	Irritating-Skin irritation and eye damage
HP 5	Toxic effect on target organs (STOT)/Respiration toxicity
HP 14	Ecotoxicity

**Uncleaned packaging:**

**Recommendation:** Dispose of according to official regulations.

**SECTION 14: TRANSPORT INFORMATION**

**14.1. UN number**

**ADR, RID, ADN, IMDG, IATA**

1139

**14.2. UN proper shipping name**

**ADR/RID/ADN** 1139 COATING SOLUTION, ENVIRONMENTALLY HAZARDOUS, special provisions 640D

**IMDG** COATING SOLUTION (HEPTANES, Naphtha (petroleum) hydrotreated light, Z

Contaminates marine

water

**IATA** COATING SOLUTION

**14.3. Transport hazard class(es)**

**ADR, RID, ADN, IMDG**

Class 3 Flammable liquids.

Label 3

**IATA**

Class 3 Flammable liquids

Label 3

**14.4. Packaging group**

**ADR, RID, ADN, IMDG, IATA** II

**14.5. Environmental hazards**

The product contains environmentally hazardous substances: Naphtha (petroleum) hydrotreated light

Contamination of marine water: Yes

Symbol (fish and tree)

**Special labelling (ADR/RID/ADN):** Symbol (fish and tree)

**14.6. Special precautions for user:**

Caution: Flammable liquids

Hazard code (Kemler): 33

EMS Number: F-E, S-E

Packaging category: B

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

Not applicable.

**Transport/Additional information:** Transport Classification ADR/IMDG based on packaging

>30 l(IMDG), <450 l(ADR)

Different classifications may apply to other packaging units.

ADR/RID/ADN

Limited quantities (LQ)

Excluded quantities (EQ)

5 l

Code E2

Maximum net quantity for internal packaging: 30 ml

Maximum net quantity for external packaging: 500 ml

2

Transport category:

Tunnel restriction code: D/E

IMDG

Limited quantities (LQ)

Excluded quantities (EQ)

5 l

Code E2

Maximum net quantity for internal packaging: 30 ml

Maximum net quantity for external packaging: 500 ml

**UN model regulation** UN 1139 COATING SOLUTION, Special regulation 640D, 3, II, ENVIRONMENTALLY HAZARDOUS

**SECTION 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations / legislations specific for the substance or mixture**

Labelling according to Regulation (EC) 1272/2008

The product is classified and labelled according to CLP Regulation.

Pictograms indicating hazard class



GHS02 GHS07 GHS09

Warning word:

Danger.

Label elements indicating hazard types:

Naphtha (petroleum) hydrotreated, light

Naphtha (petroleum) hydrotreated, light

Naphtha (petroleum) hydrotreated, light

Solvent naphtha (petroleum), light aromatic.

Hazard statements:

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long-lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P403+P233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

Directive 2012/18/EU

Hazardous substances – ANNEX I None of the components has been mentioned.

Seveso category

E2 Aquatic environment hazard

P5c FLAMMABLE LIQUIDS

Quantity (tonnes) qualifying for the application of increased risk 200t

Quantity (tonnes) qualifying for the application of high risk 500t

National regulations:

Technical instructions (air)

Class Quantity %

Water 0.1

NK 46.2

Water hazard class: Water hazard class (self assessment): water hazardous

### 15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

## SECTION 16: OTHER INFORMATION

**This information is based on our current knowledge. However, it does not constitute guarantee of any specific characteristic of the product and cannot be basis for legally binding**

### Important phrases:

H225 Highly flammable liquid and vapours.

H226 Flammable liquids and vapours.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

Department issuing material safety data sheet: product safety department

Contact:

Abbreviations and acronyms:

RID – Regulations concerning the international carriage of dangerous goods by rail.

ICAO – International Civil Aviation Organization

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.

IMDG – International Maritime Dangerous Goods Code.

IATA – International Air Transport Association.

GHS – Globally Harmonized System of Classification and Labelling of Chemicals.

EINECS – European Inventory of Existing Chemical Substances.

ELINCS – European List of Notified Chemical Substances.

CAS – numerical labelling of a chemical substance assigned by an American organization Chemical Abstracts Service (CAS).

DNEL – No – effect level.

LC50 – Lethal concentration 50%

LD50 – Lethal dose 50%

PBT – Persistent, Bioaccumulative and Toxic

vPvB – Very persistent and very bioaccumulative.

PNEC – Predicted no-effect concentration.

SVHC – Substances of very high concern.

Flam. Liq. 2 – Flammable liquids, category 2

Flam. Liq. 3 – Flammable liquids, category 3

Skin Irrit. 2 – Caustic/irritating effect on skin, cat. 2

STOT SE 3 – Toxic effect on target organs – single exposure, cat. 3

ASP. Tox. 1 – Aspiration hazard, cat.1

Aquatic Chronic 2 – hazardous for aquatic life – long-term hazard – category 2

Changes: 1.3, 3.1, 9.1, 9.2, 11.1, 12.0, 15.1 oraz aktualizacja ogólna.

Number of MSDS: 1N2L0318V2.