

# Safety Data Sheet according to Regulation (EC) No 1907/2006 (REACH)



**raid hp Bremssattel-Lack Red - Art. Nr.: 350020; Yellow - Art. Nr.: 350021,**

**Blue - Art. Nr.: 350022; Black - Art. Nr.: 350023, Green - Art. Nr.: 350024;**

**Silver - Art. Nr.: 350025; Gold - Art. Nr.: 350026; Orange - Art. Nr.: 350027; Anthracite - Art. Nr.: 350028,**

**Turquoise - Art. Nr.: 350016, Purple - Art. Nr.: 350017; Pink - Art. Nr.: 350018; White - Art. Nr.: 350019**

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## 1. Identification of the mixture and of the company/undertaking

<b>1.1 Product identifier</b>	
Commercial Product Name	<b>raid hp Bremssattel-Lack - Art. Nr.: 350016 - 350028</b>

### 1.2 Relevant identified uses of the mixture and uses advised against

Use as paint or coating.

At present we have no information on any use restrictions.

Any new data will be added to this safety data sheet.

### 1.3 Details of the supplier of the safety data sheet

<b>Company designation</b>	r.d.i. Deutschland Autoteile + Vertriebs GmbH
<b>Street</b>	Gahlenfeldstraße 36
<b>Country</b>	D-58313 Herdecke
	Section technology
<b>Telefon / Telefax</b>	+49(0)2330-805550 / -805150
<b>E-Mail (competent person)</b>	sdb-info@raid-rdi.com

### 1.4 EMERGENCY TELEPHONE NUMBER

Giftinformationszentrum Nord -GIZ Nord + 49(0)551 -19240 (accessible 24 hours)

## 2. Hazards identification

### 2.1 Classification of the mixture

**Classification of the mixture according to Directive 67/548/EEC, 1999/45/EC**

R10  
Xi; R37  
R66  
R67  
N; R51/53

### Supplemental Hazard information (EC)

-

### 2.2 Label elements according to Regulation 1999/45/EC

#### Hazard symbol



Xi: Irritant



N: Dangerous for the environment

#### Hazard components for labeling:

solvent naphtha (petroleum), light arom., low boiling point hydrogen treated naphtha

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## R-phrases

- R10: Flammable.
- R37: Irritating to respiratory system.
- R66 Repeated exposure may cause skin dryness or cracking
- R67 Vapours may cause drowsiness and dizziness.
- R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## S-phrases

- S16 Keep away from sources of ignition - No smoking.
- S24 Avoid contact with skin.
- S36/37 Wear suitable protective clothing and gloves.
- S29/56 Do not empty into drains; dispose of this material and its container at hazardous or special waste collection point.

## 2.3 Other hazards

-

## 3. Composition/information on ingredients

### 3.1 Mixture

Hazardous ingredients	EC-No. CAS-No. Index-No. Reg.No.	Classification 67/548/EWG	Concentration
		Classification 1272/2008/EG	
solvent naphtha (petroleum), light arom. Low boiling point hydrogen treated naphtha	265-199-0 64742-95-6 649-356-00-4	R10 Xi; R37 R65 R66 R67 N; R51/53	15-25%
		GHS02 Flam. Liq.3; H226 GHS07 STOT SE 3; H335 GHS08 Asp. Tox. 1; H304 EUH066 GHS07 STOT SE 3; H336 GHS09 Aquatic Chronic 2; H411	
1,2,4-trimethylbenzene	202-436-9 95-63-6 601-043-00-3	R10 Xn; R20 Xi; R36/37/38 N; R51/53	5-10%
		GHS02 Flam. Liq.3; H226 GHS07 Acute Tox.4; H332 GHS07 Eye Irrit. 2; H319 GHS07 STOT SE 3 H335 GHS07 Skin Irrit.; H315 GHS09 Aquatic Chronic 2; H411	
xylene	215-535-7 1330-20-7 601-022-00-9	R10 Xn; R20/21 Xi; R38	3-5%
		GHS02 Flam. Liq.; H226 GHS07 Acute Tox. 4; H312 GHS07 Acute Tox. 4; H332 GHS07 Skin Irrit. 2; H315	

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propylbenzene	203-132-9 103-65-1 601-024-00-X	R 10 Xi; R37 R65 N;R51/53	3-5%
		GHS02 Flam. Liq.; H226 GHS08 Asp. Tox. 1; H304 GHS07 STOT SE 3 H335 GHS09 Aquatic Chronic 2; H411	
2-methoxy-1-methylethyl acetate	203-603-9 108-65-6 607-195-00-7	R10	3-5%
		GHS02 Flam. Liq.3; H226	
1,3,5-trimethylbenzene	203-604-4 108-67-8 601-025-00-5	R10 Xi; R37 N; R51/53	3-5%
		GHS02 Flam. Liq.; H226 GHS07 STOT SE 3 H335 GHS09 Aquatic Chronic 2; H411	
ethylene glycol monobutyl ether acetate	203-933-3 112-07-2 607-038-00-2	Xn; R20/21	1-3%
		GHS07 Acute Tox. 4, H312 GHS07 Acute Tox. 4; H332	

(Full text of R-, H-phrases: see section 16)

## 4. First aid measures

### 4.1 Description of first aid measures

#### In case of inhalation

Provide fresh air.

Move victim to fresh air. Put victim at rest and keep warm.

In case of irregular breathing or respiratory arrest provide artificial respiration.

If victim is at risk of losing consciousness, position and transport on their side.

Consult a physician in case of symptoms.

#### In case of skin contact

Immediately clean with water and soap and rinse down with water.

Remove contaminated clothing immediately.

#### In case of eye contact

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. If eye irritation persists: Get medical advice/attention.

#### In case of ingestion

Do not induce vomiting. Rinse mouth thoroughly with water.

Get medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

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### 4.3 Indication of any immediate medical attention and special treatment needed

-

## 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media: High power water jet.

### 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases possible.

Fire will produce dense black smoke. Inhaling hazardous decomposing products can cause serious health damage.

### 5.3 Advice for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Use water spray jet to protect personnel and to cool endangered containers.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Keep away unprotected persons.

Provide adequate ventilation. Keep away from sources of ignition.

Do not breathe vapours.

### 6.2 Environmental precautions

Do not allow entering drains or surface/ground water.

### 6.3 Methods and material for containment and cleaning up

Do not allow to enter into ground water, surface water or drains.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clean preferably with a detergent, avoid use of solvents.

### 6.4 Reference to other sections

Information for handling and storage see point 7.

Information for personal protection see point 8.

Information for disposal see point 7.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Wash hands and face before breaks and after work.

Avoid contact with skin and eyes.

Use only in well-ventilated areas. Provide for good room ventilation.

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Product may become electrostatically charged. When transferring, earthed pipework shall be used exclusively. Anti-static clothing including shoes are recommended. Use only spark proof tools. Do not inhale vapours or mist.

### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Avoid high temperature and direct sun radiation. Solvent vapours are heavier than air and spread across the ground. Vapours form explosive mixtures with air.

### Aerosol and dust generation preventions

-

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## Advice on general occupational hygiene

Wash hands and face before breaks and after work.

Keep out of the reach of children.

In case of skin and eye contact immediately clean with plenty of warm water.

Keep away from food, drink and animal feed stuffs.

Take off immediately all contaminated clothing.

## Environmental precautions

-

## 7.2 Conditions for safe storage, including any incompatibilities

-

## Requirements for storage rooms and vessels

Electrical equipment must be explosion-protected. Floors must be electrically conductive. Keep container tightly closed. Never use pressure to empty container. Access only for authorised persons. Always keep in containers that correspond to the material of the original container. Keep original packaging tightly closed in a dry, cool, well-ventilated place. Avoid exposure to moisture or the water. Formation of CO<sub>2</sub> in closed containers can result pressure. Opened containers must be carefully resealed and kept upright to prevent leakage.

Avoid high temperature and direct sun radiation. Store between 5 °C and 35 °C in a dry and well-ventilated place.

## Hints on storage assembly:

Keep away from strong acids, strong bases, strong oxidizing, amines, alcohols and water.

**Storage class:** LGK3: Flammable liquids.

## 7.3 Specific end uses

Recommendations

-

## Industrial sector specific solutions

-

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### 8.1.1 Occupational exposure limits

Substance; CAS-No.:	<b>1,2,4-trimethylbenzene; 95-63-6</b>		<b>xylene; 1330-20-7</b>	
	Limit Value-Eight hours ppm; mg/m <sup>3</sup>	Limit Value-Eight hours ppm; mg/m <sup>3</sup>	Limit Value-Eight hours ppm; mg/m <sup>3</sup>	Limit Value-Eight hours ppm; mg/m <sup>3</sup>
Austria	20; 100	30; 150	50; 221	100; 442
Belgium	20; 100	-	50; 221	100; 442
Denmark	20; 100	40; 200	25; 109	50; 218
EU	20; 100	-	50; 221	100; 442
France	20; 100	50; 250	50; 221	100; 442
Hungary	-; 100	-	-; 221	-; 442
Ireland	20; 100	-	50; 221	100; 442 (1)
Italy	20; 100	-	50; 221	100; 442
Japan	-	-	50;-	-
Latvia	20; 100	-	50; 221	100; 442 (1)
Poland	-; 100	-; 170	-; 100	-
Spain	20; 100	-	50; 221	100; 442
Sweden	-	-	50; 221	100; 442 (1)

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Switzerland	-	-	100; 435	200; 870
The Netherlands	-; 100	-; 200	-; 210	-; 442
United Kingdom	-	-	50; 220	100; 440

(1) Ireland: 15 minutes reference period; Latvia: 15 minutes average value; Sweden: Short term value, 15 minutes average value

Substance; CAS-No.:	<b>2-methoxy-1-methylethyl acetate; 108-65-1</b>		<b>1,3,5-trimethylbenzene; 108-67-8</b>	
	Limit Value-Eight hours ppm; mg/m <sup>3</sup>	Limit Value-Eight hours ppm; mg/m <sup>3</sup>	Limit Value-Eight hours ppm; mg/m <sup>3</sup>	Limit Value-Eight hours ppm; mg/m <sup>3</sup>
Austria	50; 275	100; 550	-	-
Belgium	50; 275	100; 550	20; 100	-
Denmark	50; 275	100; 550	20; 100	40; 20
EU	50; 275	100; 550	-	-
France	50; 275	100; 550	20; 100	50; 250
Hungary	-; 275	-; 550	-; 100	-
Ireland	50; 275	100; 550 (1)	20; 100	-
Italy	50; 275	100; 550	20; 100	-
Japan	-	-	-	50;-
Latvia	50; 275	100; 550 (1)	20; 100	-
Poland	-	-	20; 100	-
Spain	50; 275	100; 550	20; 100	50; 221
Sweden	50; 250	75; 400 (1)	-	-
Switzerland	50; 275	100; 275	-	-
The Netherlands	-; 500	-	-; 100	-; 200
United Kingdom	50; 274	100; 548	-	-

Substance; CAS-No.:	<b>ethylene glycol monobutyl ether acetate;112-07-2</b>	
	Limit Value-Eight hours ppm; mg/m <sup>3</sup>	Limit Value-Eight hours ppm; mg/m <sup>3</sup>
Austria	20; 133	40; 270
Belgium	20; 133	50; 333
Denmark	20; 133	40; 260
EU	20; 133	50; 333
France	10; 66,5	50; 333
Hungary	-; 133	-; 333
Ireland	20; 133	50; 333 (1)
Italy	20; 133	50; 333
Japan	-	-
Latvia	20; 133	50; 333 (1)
Poland	-; 133	-; 300
Spain	20; 133	50; 333
Sweden	10; 70	20; 140 (1)
Switzerland	10; 66	20; 132
The Netherlands	-; 135	-
United Kingdom	20; 147	50; 367

(1) Ireland: 15 minutes reference period; Latvia: 15 minutes average value; Sweden: Short term value, 15 minutes average value

**8.1.2 DNEL/PNEC-values**

<b>Substance; CAS-No.:</b>	<b>DNEL Long-term - inhalation, local effects</b>	<b>DNEL Long term - inhalations systemic effects</b>
xylene; 1330-20-7	221 mg/m <sup>3</sup>	221 mg/m <sup>3</sup>
2-methoxy-1-methylethyl acetate; 108-65-1	-	275 mg/m <sup>3</sup>
1,3,5-trimethylbenzene; 108-67-8	100 mg/m <sup>3</sup>	100 mg/m <sup>3</sup>
ethylene glycol monobutyl ether acetate; 112-07-2	-	133 mg/m <sup>3</sup>

**8.1.3 Risk management measures according to used control banding approach**

Used model: -

**8.2 Exposure controls**

-

**8.2.1 Appropriate engineering controls**

-

**8.2.2 Personal protective equipment****Eye / Face protection**

Tightly sealed safety glasses.

**Skin protection**

-

**Hand protection****By long-term hand contact**

Suitable material: NBR (Nitrile rubber).

Material thickness: 0,45 mm

Break through time: &gt; 240 min

Breakthrough times and swelling properties of the material must be taken into consideration.

**Other skin protection measures****Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

In well-ventilated rooms self-contained breathing apparatus may be replaced with combination filters. Type AX.

**Thermal hazards**

Not required.

**Body protection**

Wear anti-static footwear and clothing.

**8.2.3 Environmental exposure controls**

-

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## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	
-Physical state	Liquid.
-Colour	Colourless.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	-
<b>pH (20 °C)</b>	-
<b>Melting point/range (°C)</b>	-
<b>Initial boiling point/range (°C)</b>	-
<b>Flash point (°C)</b>	40 °C
▫ <b>Auto-ignition temperature (°C)</b>	-
<b>Vapourisation rate / Evaporation rate</b>	-
<b>Flammability and burning behaviour of dust layers burning number (BZ)</b>	-
<b>Explosion limits (LEL, UEL)</b>	0,0 Vol% 11,30 Vol% Formation of explosive/inflammable vapours possible.
<b>Vapour pressure (hPa) at 20 °C)-</b>	-
<b>Vapour density (air=1)</b>	-
<b>Density (g/cm<sup>3</sup>) at 20 °C</b>	1,0102 g/m <sup>3</sup>
<b>Relative density (air = 1)</b>	-
<b>Water solubility (20°C in g/l)</b>	-
<b>Solubility (g/l)</b>	-
<b>Solvent concentration</b>	42,98%
<b>VOC-EU</b>	-
<b>Partition coefficient</b>	-
<b>n-Octanol/Water (log Po/w)</b>	-
<b>Self ignition temperature in °C</b>	The product is not self-igniting.
<b>Decomposition temperature (°C)</b>	-
<b>Viscosity, dynamic (mPa s)</b>	-
<b>Explosives</b>	-

### 9.2 Additional information

-

## 10. Stability and reactivity

### 10.1 Reactivity

No further relevant information available.

### 10.2 Chemical stability

No decomposition if used according to specifications.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.



#### 10.4 Conditions to avoid

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

#### 10.5 Incompatible materials

No further relevant information available.

#### 10.6 Hazardous decomposition products

High temperatures may produce hazardous decomposition products, such as: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

### 11. Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

No further relevant information available.

##### Irritation

No further relevant information available.

##### Skin corrosion

No further relevant information available.

##### Sensitisation

No sensitisation effect known.

##### Repeated dose toxicity

No further relevant information available.

##### Carcinogenicity

No further relevant information available.

##### Mutagenicity

No further relevant information available.

##### Toxicity for reproduction

No further relevant information available.

#### Symptoms related to the physical, chemical and toxicological characteristics:

Inhaling of solvent components above the occupational exposure limits can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system.

Symptoms: headache, dizziness, fatigue, muscular weakness, drowsiness, narcotic effects and in extreme cases unconsciousness. Prolonged/repetitive skin contact may cause skin defatting or dermatitis. The product can then penetrate through the skin into the body. Splashes of the solvent may cause irritation and reversible damage.

#### 11.2 Other information

-

## 12. Ecological information

### 12.1 Toxicity Aquatic toxicity

#### Acute (short-term) fish toxicity

No further relevant information available.

#### Acute (short-term) daphnia toxicity

No further relevant information available.

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

### 12.5 Results of PBT and vPvB-assessment

Not applicable.

### 12.6 Other adverse effects

Do not allow to enter into ground water, surface water or drains.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 13. Disposal considerations

### 13.1 Waste treatment methods

#### Treatment of contaminated packaging

No further relevant information available.

#### Waste codes / waste designations according to EWC / AVV

08 01 11\* Waste paint and varnish containing organic solvents or other dangerous substances

#### Additional information

Do not empty into drains. Vessels not properly emptied are special waste.

## 14. Transport information

	Land transport (ADR/RID)	Marine- transport IMDG	Air transport ICAO- IATA
UN-No.	1263	1263	1263
Description of the goods	PAINT	PAINT	PAINT
Proper shipping name	PAINT	PAINT	PAINT
Class(es)	3	3	3
Packaging group	III	III	III
Environmental hazards	No	No	No
Classification Code	F1	F1	F1
Labels	3	3	3
Tunnel restriction code	(D)	-	-

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	<b>Land transport (ADR/RID)</b>	<b>Marine-transport IMDG</b>	<b>Air transport ICAO-IATA</b>
<b>Danger releasing substance</b>	Solvent naphtha (petroleum), light arom. Low boiling point hydrogen treated naphtha	Solvent naphtha (petroleum), light arom. Low boiling point hydrogen treated naphtha	Solvent naphtha (petroleum), light arom. Low boiling point hydrogen treated naphtha
<b>Limited Quantities</b>	5 L	5 L	-
<b>EMS-No.</b>	-	F-E,S-E	-
<b>Marine Pollutant</b>	No	No	No
<b>Special precautions for user</b>	-	-	-
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	-	-	-

## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the mixture

#### EU regulations

-

#### Other EU regulations

-

### 15.2 Chemical Safety Assessment

No information available, because for the substance no chemical safety report is required.

## 16. Other information

No information available, because for the substance no chemical safety report is required.

The data so far as available are taken from the databases GESTIS / GESTIS International Limit Values, IUCLID respectively of external safety data sheets. This Safety Data Sheet was issued according to current EC guidelines. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The data is supposed to give advice for the safe handling of the mentioned product with regard to storage, processing, transport and waste disposal. The information cannot be applied to other products.

#### Indication of changes

-

#### Key literature references and sources for data

IFA GESTIS-Stoffdatenbank; IFA GESTIS International Limit Values, External safety data sheet.

#### Relevant R-, H- and EUH-phrases (number and full text)

##### According to directive 67/548/EEC

R10 Flammable.

R20 Harmful by inhalation.

R20/21 Harmful by inhalation and in contact with skin.

R36 Irritating to eyes.

R36/37/38 Irritating to eyes, respiratory system and skin.

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R38 Irritating to skin.

R51 Toxic to aquatic organisms.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

## According to regulation (EC) No. 1272/2008

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H411 Toxic to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

## Training advice

-

## Classification for mixtures and used evaluation method according to regulation (EC) No.1207/2008 [CLP]

## Further information

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## Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

DNEL: Derived No-Effect Level

EC: European Community

EN: Europäische Norm (European Standard)

IATA-DGR: International Air Transport Association-Dangerous Goods Regulations

IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)

ICAO-TI: International Civil Aviation Organization-Technical Instructions

IMDG-Code: International Maritime Code for Dangerous Goods

ISO: International Organization for Standardization

IUCLID: International Uniform Chemical Information Database

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

log Pow: n-octanol/water distribution coefficient

MARPOL: Maritime Pollution Convention

PBT: Persistent, Bio-Accumulative and Toxic

PNEC: Predicted No-Effect Concentration

RID: Règlement concernant le transport international ferroviaire de marchandises Dangereuses

UN: United Nations

VOC: Volatile Organic Compounds)

vPvB: Very persistent, very bio-accumulative