

SAFETY DATA SHEET

MANNOL Anticor Art.: 9909

Prepared according to Commission Regulation (EC) No. 1907/2006(REACH)

Update according to Commission Regulation (EU) No. 2015/830



1. SECTION	IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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1.1 Product identifier: MANNOL Anticor Art.: 9909

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

MANNOL Anticor is a high-quality means of protection based on rubber and synthetic resin that preserves the outer parts of the chassis, the underbody, the wheel arches as well as the side members, at the same time extending their working life. It forms a durable layer that protects from crushed gravel and stone. It has an excellent resistance to moisture, salts, acids, alkalis and varying temperatures. Simultaneously, it forms a noise-resistant and anti-vibration layer. It is applicable to iron, lacquer, anti-corrosives and hard plastics. This product forms a durable, smooth, fast-drying and indelible coating. Colour: black.

1.3 Details of the supplier of the safety data sheet: UAB "SCT Lubricants"

Adress: Šilutės pl. 119, 5800 Klaipėda, Lithuania

Telephone: +370 46 340345

E-mail: klaipeda@sct.lt

Fax: (37046) 341891

1.4 Emergency telephone number: Adress: Šiltnamiu 29, LT-2043 Vilnius, telephone 8-5236 20 52 or +370 687 53378 (All day)

2. SECTION	HAZARD IDENTIFICATION
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2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008

Hazard class Hazard category Hazard statement

Flam. Liq. 3 H226-Flammable liquid and vapour.

2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments)

Flammable, R10

Dangerous for the environment, R52-53 R66

R67

2.2 Label elements

Labeling according to Regulation (EC) 1272/2008



Warning

Supplemental label informatikon

Hazard statement H226 Flammamble liquid and vapour

P101- If medical advice is needed, have product container or label at hand.

P102-Keep out of reach of children

Prevention

P210-

Disposal

P501-Dispose of contents/container to hazardous or special waste collection point.

EUH066-Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C9, aromatics

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

2.3 Other hazards

None indentified

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The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1272/2008.

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1272/2008.

3. SECTION COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixtures

Hazardous ingredients:

Registration number (REACH)	01-2119458049-33-XXXX
Index	---
EINECS, ELINCS, NLP	919-446-0 (REACH-IT List-No.)
CAS	CAS ---
content %	10-<20
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411

Hydrocarbons, C9, aromatics	
Registration number (REACH)	01-2119455851-35-XXXX
Index	---
EINECS, ELINCS, NLP	918-668-5 (REACH-IT List-No.)
CAS	(64742-95-6)
content %	1-<10
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 2,

Methanol	Substance for which an EU exposure limit value applies.
Registration number (REACH)	01-2119433307-44-XXXX
Index	603-001-00-X
EINECS, ELINCS, NLP	200-659-6
CAS	CAS 67-56-1
content %	0,1-<1
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 STOT SE 1, H370

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

4. SECTION FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

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Eye contact

Remove contact lenses.

Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.

Swallowed

DO NOT INDUCE VOMITING. Get immediate medical attention.

Advice for first-aid providers

When providing first aid always protect yourself against exposure to chemicals or blood born diseases by wearing gloves, masks and eye protection. After providing first aid wash your exposed skin with soap and water.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

4.3 Indication of any immediate medical attention and special treatment needed

Note to physician: treat symptomatically

5. SECTION FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Water jet spray, CO₂

Extinction powder Large fire:

Water jet spray / alcohol resistant foam Cool container at risk with water.

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop: Oxides of carbon

Toxic pyrolysis products.

In case of spreading near the ground, flashback to distance sources of ignition is possible.

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply.

Dispose of contaminated extinction water according to official regulations

6. SECTION ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal protective equipment must be worn. Ventilate area if spilled in a confined space or other poorly ventilated area.

6.2 Environmental precautions

Prevent entry into sewers and waterways.

6.3 Methods and material for containment and cleaning up

Stop leak if possible without risk

Remove sources of ignition

Absorb in vermiculite, dry sand or earth and place into containers.

Collect spillage in containers, seal securely and deliver for disposal according to local regulations

6.4 Reference to other section

See sections 8 and 13 for additional information.

7. SECTION HANDLING AND STORAGE

7.1.1 General recommendations

Ensure good ventilation. Avoid aerosol formation.

Keep away from sources of ignition - Do not smoke. Take precautions against electrostatic charges.

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Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use.

Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Observe special storage conditions (in Germany, e.g., in accordance with the regulations in the "Betriebssicherheitsverordnung"). Not to be stored in gangways or stair wells.

Store product closed and only in original packing. Store in a well ventilated place.

Store at room temperature.

7.3 Specific end use(s)

No information available at present.

8. SECTION EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40): 350 mg/m³

Chemical Name	Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Content %:10-<20
WEL-TWA: 300 mg/m ³ (AGW)	WEL-STEL: 2(II) (AGW)	---
BMGV: ---	Other information: ---	

Chemical Name	Hydrocarbons, C9, aromatics	Content %:1-
WEL-TWA: 500 mg/m ³ (Aromatics)	WEL-STEL: ---	---
BMGV: ---	Other information: ---	

Chemical Name	Methanol	Content %:0,1-
WEL-TWA: 200 ppm (266 mg/m ³) (WEL), 200 ppm (260 mg/m ³) (EU)	WEL-STEL: 250 ppm (333 mg/m ³) (WEL)	---
BMGV: ---	Other information: Sk (WEL, EU)	

Chemical Name	Bitumen	Content %:
WEL-TWA: 5 mg/m ³ (Asphalt, petroleum fumes)	WEL-STEL: 10 mg/m ³ (Asphalt, petroleum fumes)	---
BMGV: ---	Other information: ---	

Chemical Name	Calcium carbonate	Content %:
WEL-TWA: 4 mg/m ³ (respirable dust), 10 mg/m ³ (total inhalable dust)	WEL-STEL: ---	---
BMGV: ---	Other information: ---	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

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Methanol						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Short term, systemic effects	DNEL	40	mg/kg body weight/day	
Workers / employees	Human - inhalation	Short term, systemic effects	DNEL	260	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	260	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	40	mg/kg body weight/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	260	mg/m3	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	260	mg/m3	
Consumer	Human - dermal	Short term, systemic effects	DNEL	8	mg/kg body weight/day	
Consumer	Human - inhalation	Short term, systemic effects	DNEL	50	mg/m3	
Consumer	Human - oral	Short term, systemic effects	DNEL	8	mg/kg body weight/day	
Consumer	Human - inhalation	Short term, local effects	DNEL	50	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	8	mg/kg body weight/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	50	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	8	mg/kg body weight/day	
Consumer	Human - inhalation	Long term, local effects	DNEL	50	mg/m3	

Hydrocarbons, C9, aromatics						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	25	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	150	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	32	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	11	mg/kg bw/d	
Consumer	Human - oral	Long term, systemic effects	DNEL	11	mg/kg bw/day	

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	330	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	44	mg/kg bw/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	71	mg/m3	
Consumer	Human - dermal	Long term, systemic effects	DNEL	26	mg/kg bw/day	
Consumer	Human - oral	Long term, systemic effects	DNEL	26	mg/kg bw/day	

8.2 Exposure controls

8.2.1 Appropriate engineering controls

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Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:

Solvent resistant protective gloves (EN 374). If applicable

Protective nitrile gloves (EN 374) Minimum layer thickness in mm: 0,4

Permeation time (penetration time) in minutes: 480

Protective hand cream recommended.

The breakthrough times determined in accordance with EN 374 Part III were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments)

Respiratory protection: Normally not necessary.

If OES or MEL is exceeded.

Filter A2 P2 (EN 14387), code colour brown, white

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

9. SECTION PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state: Pastelike, Liquid

Colour: Black

Odour: Characteristic

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Odour threshold	Not determined
pH-value	7,0 (20°C)
Melting point/freezing point	Not determined
Initial boiling point and boiling range	135 °C
Flash point, open cup (ASTM D-92)	41 °C (DIN 53213 (Pensky-Martens, closed cup))
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Lower explosive limit	0,7 Vol %
Upper explosive limit	6,5 Vol %
Vapour pressure:	4 hPa (20°C)
Vapour density (air = 1):	15 hPa (50°C)
Density:	1,28 g/cm ³ (DIN 51757)
Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	Insoluble
Partition coefficient (n-octanol/water)	Not determined
Auto-ignition temperature:	270 °C
Decomposition temperature:	Not determined
Viscosity	17000 mPas (20°C)
Explosive properties:	Possible build up of explosive/highly flammable vapour/air mixture Product is not explosive
Oxidising properties:	Not determined

9.2 Other information

Miscibility	Not determined
Fat solubility / solvent	Not determined
Conductivity	Not determined
Surface tension	Not determined
Solvents content	25,5%

10. SECTION STABILITY AND REACTIVITY

10.1 Reactivity

See also Subsection 10.2 to 10.6. The product has not been tested.

10.2 Chemical stability

Material is normally stable at moderately elevated temperatures and pressures.

10.3 Possibility of hazardous reactions

Will not occur.

10.4 Conditions to avoid

See also section 7.

Heating, open flame, ignition sources

Pressure increase will result in danger of bursting.

10.5 Incompatible materials

See also section 7.

Avoid contact with strong oxidizing agents , strong acids

10.6 Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

No decomposition when used as directed

11. SECTION TOXICOLOGICAL INFORMATION

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Anticor 1L Art.:						
Toxicity/effect	Endpoint	Value	Unit	Organism	Testmethod	Notes
Acute toxicity, by oral route:	ATE	>5000	mg/kg			calculated value
Acute toxicity, by dermal route:	ATE	>5000	mg/kg			calculated value
Acute toxicity, by inhalation:	ATE	>20	mg/l/4h			calculated value,
Acute toxicity, by inhalation:	ATE	>5	mg/l/4h			calculated value,
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity -						n.d.a.
Specific target organ toxicity -						n.d.a.
Aspiration hazard:						n.d.a.
Respiratory tract irritation:						n.d.a.
Repeated dose toxicity:						n.d.a.
Symptoms:						n.d.a.
Other information:						Classification

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	3400	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>13,1	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	Vapours
Skin corrosion/irritation:					OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant, Analogous conclusion, Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation:						Not irritant
Serious eye damage/irritation:					OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant, Analogous conclusion
Respiratory or skin sensitisation:						Not sensitising
Germ cell mutagenicity:						Negative
Carcinogenicity:						Negative Benzene content: <0,1%
Reproductive toxicity:						Negative, Analogous Conclusion
Specific target organ toxicity - single exposure (STOT-SE):						May cause drowsiness or dizziness.
Aspiration hazard:						Yes
Respiratory tract irritation:						Slightly irritant
Symptoms:						dizziness, unconsciousness, vomiting, annoyance, skin afflictions, heart/circulatory disorders, headaches, cramps, drowsiness, dizziness

Hydrocarbons, C9, aromatics

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000- <5000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Skin corrosion/irritation:						Mild irritant, Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation:						Not irritant
Respiratory or skin sensitisation:						Not sensitising

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Germ cell mutagenicity:						Negative
Carcinogenicity:						Negative
Reproductive toxicity:						Negative
Specific target organ toxicity - single exposure (STOT-SE):						May cause drowsiness or dizziness., May cause respiratory irritation.
Aspiration hazard:						Yes
Respiratory tract irritation:						Irritant
Symptoms:						respiratory distress,

Methanol						
Toxicity/effect	Endpoint t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	ATE	300	mg/kg	Human being		Experiences on persons.
Acute toxicity, by oral route:	LD0	143	mg/kg	Human being		
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	IUCLID Chem. Data Sheet (ESIS)	Not relevant for classification.
Acute toxicity, by inhalation:	LC50	85	mg/l/4h	Rat		Not relevant for classification.
Skin corrosion/irritation:				Rabbit		Mild irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Mild irritant
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitising
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Symptoms:						abdominal pain, vomiting, headaches, gastrointestinal disturbances, drowsiness, visual disturbances, watering eyes, nausea, mental confusion

Bitumen						
Toxicity/effect	Endpoint t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat		

Calcium carbonate						
Toxicity/effect	Endpoint t	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Respiratory or skin sensitisation:						No indications of such an effect.
Other information:						References, Harmless, is approved as additive for food (E170).

12. SECTION ECOLOGICAL INFORMATION

Possibly more information on environmental effects, see Section 2.1 (classification).

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Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment:							n.d.a.
Other adverse effects:							n.d.a.

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Other information:							According to the recipe,
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Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	10	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
Toxicity to daphnia:	LOEC/LOEL	21d	0,203	mg/l	Daphnia magna		
Toxicity to daphnia:	NOEC/NOEL	21d	0,097	mg/l	Daphnia magna		
Toxicity to daphnia:	EC50	48h	10	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
Toxicity to algae:	EC50	72h	4,6	mg/l	Pseudokirchneriella subcapitata		
Persistence and degradability:		28d	74,7	%			Readily biodegradable
Bioaccumulative potential:	Log Pow		3,7-6,7				
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC50		>100	mg/l			
Water solubility:			~20	mg/l			20°C

Hydrocarbons, C9, aromatics							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	9,22	mg/l	Oncorhynchus mykiss		
Toxicity to daphnia:	EC50	48h	21,3	mg/l			
Toxicity to algae:	EC50	72h	2,6-2,9	mg/l	Pseudokirchneriella subcapitata		
Persistence and degradability:		28d	54-56	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	
Persistence and degradability:		28d	78	%		OECD 301 F (Ready Biodegradability Manometric Respirometry Test)	
Results of PBT and vPvB assessment:							No PBT substance, No vPvB substance

Methanol							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	15400	mg/l	Lepomis macrochirus		
Toxicity to daphnia:	EC50	48h	>10000	mg/l	Daphnia magna		
Toxicity to algae:	IC50	72h	8000	mg/l			
Persistence and degradability:	BOD5/COD		<50	%			
Bioaccumulative potential:	BCF		28400		Chlorella vulgaris		
Other information:	DOC		<70	%			
Other information:	BOD		>60	%			Readily biodegradable

Calcium carbonate							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	>10000	mg/l			
Toxicity to daphnia:	EC50	48h	>1000	mg/l			

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Toxicity to algae:	IC50	72h	>200	mg/l			
Persistence and degradability:							Not relevant for inorganic substances.
Bioaccumulative potential:	Log Pow		<1				Bioaccumulation is unlikely (LogPow < 1).
Water solubility:			14-16	mg/l			20°C

None known

13. SECTION DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

08 01 11 waste paint and varnish containing organic solvents or other dangerous substances

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

For contaminated packing material Pay attention to local and national official regulations Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

14. SECTION TRANSPORT INFORMATION (RID/ADR)

General statements

UN number: 1139

Transport by road/by rail (ADR/RID)

UN proper shipping name: Is not subject to ADR/RID, in accordance with to 2.2.3.1.5 (<= 450 l)

Transport hazard class(es): n.a.

Packing group: n.a.

Classification code: n.a.

LQ (ADR 2013): n.a.

LQ (ADR 2009): n.a.

Environmental hazards: Not applicable

Tunnel restriction code: n.a.

Transport by sea (IMDG-code)

UN proper shipping name: Transport in accordance with 2.3.2.5 of the IMDG Code

Transport hazard class(es): n.a.

Packing group: n.a.

Marine Pollutant: n.a

Environmental hazards: Not applicable

Transport by air (IATA) UN proper shipping name: Coating solution

Transport hazard class(es): 3

Packing group: III

Environmental hazards: Not applicable

Special precautions for user

Persons employed in transporting dangerous goods must be trained. All persons involved in transporting must observe safety regulations. Precautions must be taken to prevent damage.

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

SAFETY DATA SHEET



MANNOL Anticor Art.: 9909

Prepared according to Commission Regulation (EC) No. 1907/2006(REACH)

Update according to Commission Regulation (EU) No. 2015/830

Freighted as packaged goods rather than in bulk, therefore not applicable. Minimum amount regulations have not been taken into account.

Danger code and packing code on request.

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

Freighted as packaged goods rather than in bulk, therefore not applicable. Minimum amount regulations have not been taken into account.

Danger code and packing code on request

15. SECTION REGULATORY INFORMATION

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

For classification and labelling see Section 2.

Observe restrictions: Yes

Comply with trade association/occupational health regulations. Observe youth employment law (German regulation). Regulation (EC) No 1907/2006, Annex XVII

VOC 1999/13/EC 325,9 g/l, 25,46%

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures

No chemical safety assessment has been carried out

16. SECTION OTHER INFORMATION

These details refer to the product as it is delivered.

Revised sections: 2, 3, 8, 11, 12

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No.	Evaluation method used
1272/2008 (CLP)	
Flam. Liq. 3, H226	Classification based on test data.

H226 Flammable liquid and vapour.

Asp. Tox. — Aspiration hazard

Flam. Liq. — Flammable liquid

STOT SE — Specific target organ toxicity - single exposure - narcotic effects

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Eye Dam.-serious eye damage

Skin Irrit.-Skin Irritation

Aquatic Acute- Hazardous to the aquatic environment-acute

Any abbreviations and acronyms used in this document:

AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

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AOEL Acceptable Operator Exposure Level AOX Adsorbable organic halogen compounds approx. approximately

Art., Art. no. Article number

ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF Bioconcentration factor

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation) BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)

BMGV Biological monitoring guidance value (EH40, UK) BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum bw body weight

CAS Chemical Abstracts Service

CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques

CIPAC Collaborative International Pesticides Analytical Council

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level DOC Dissolved organic carbon

DT50 Dwell Time - 50% reduction of start concentration

DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes) dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC European Community

ECHA European Chemicals Agency EEA European Economic Area

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America) ERC Environmental Release Categories

ES Exposure scenario etc. et cetera

EU European Union

EWC European Waste Catalogue Fax. Fax number

gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals GWP Global warming potential

HET-CAM Hen's Egg Test - Chorionallantoic Membrane HGWP Halocarbon Global Warming Potential

IARC International Agency for Research on Cancer IATA International Air Transport Association

IBC Intermediate Bulk Container

IBC (Code) International Bulk Chemical (Code) IC Inhibitory concentration

IMDG-code International Maritime Code for Dangerous Goods incl. including, inclusive

IUCLID International Uniform Chemical Information Database LC lethal concentration

LC50 lethal concentration 50 percent kill LCLo lowest published lethal concentration LD Lethal Dose of a chemical

LD50 Lethal Dose, 50% kill LDLo Lethal Dose Low

LOAEL Lowest Observed Adverse Effect Level LOEC Lowest Observed Effect Concentration LOEL Lowest Observed Effect Level

LQ Limited Quantities

MARPOL International Convention for the Prevention of Marine Pollution from Ships

n.a. not applicable n.av. not available

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n.c. not checked

n.d.a. no data available

NIOSH National Institute of Occupational Safety and Health (United States of America) NOAEC No Observed Adverse Effective Concentration

NOAEL No Observed Adverse Effect Level NOEC No Observed Effect Concentration NOEL No Observed Effect Level

ODP Ozone Depletion Potential

OECD Organisation for Economic Co-operation and Development org. organic

PAH polycyclic aromatic hydrocarbon PBT persistent, bioaccumulative and toxic PC Chemical product category

PE Polyethylene

PNEC Predicted No Effect Concentration POCP Photochemical ozone creation potential ppm parts per million

PROC Process category PTFE Polytetrafluorethylene

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)

REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.

RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)

SADT Self-Accelerating Decomposition Temperature SAR Structure Activity Relationship

SU Sector of use

SVHC Substances of Very High Concern Tel. Telephone

ThOD Theoretical oxygen demand TOC Total organic carbon

TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances) UN RTDG

United Nations Recommendations on the Transport of Dangerous Goods

VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))

VOC Volatile organic compounds

vPvB very persistent and very bioaccumulative

WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

WHO World Health Organization wwt wet weight

Information Sources: The Classification and Labeling of Petroleum Substances to the EU Dangerous Substance Directive. Information from raw material suppliers.

Disclaimer: This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of product. Receiver of our product is responsible for that applicable laws and regulations are being followed.