

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Self-repairing Immortal Main Agent

Revision date: 19.03.2015

Product code:

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Self-repairing Immortal Main Agent

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

##### Use of the substance/mixture

Coatings and paints, fillers, putties, thinners

##### Uses advised against

Any non-intended use.

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

Company name: carparts GmbH

Street: Vietorstraße 87

Place: D-51103 Köln

Telephone: +49 (0)221 28 58 58 -58

Telefax: +49 (0)221 28 58 58 -99

e-mail: info@carparts-koeln.de

Responsible Department: info@carparts-koeln.de

#### 1.4. Emergency telephone number:

+49 (0)221 28 58 58 -58 (9:00-17:00 Mo-Fr)

### SECTION 2: Hazards identification

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

##### Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

n-butyl acetate

methyl acetate

Signal word: Warning

Pictograms:



##### Hazard statements

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

##### Precautionary statements

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

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	smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P312	Call a POISON CENTER/doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to local/regional/national/international regulations.

### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
123-86-4	n-butyl acetate			55 - < 60 %
	204-658-1	607-025-00-1		
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			
79-20-9	methyl acetate			10 - 20 %
	201-185-2	607-021-00-X		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

#### After contact with skin

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

#### After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No information available.

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Water spray.  
In case of major fire and large quantities: Water spray.

##### **Unsuitable extinguishing media**

High power water jet.

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

Vapours may form explosive mixtures with air.  
Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Silicon dioxide.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

##### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.  
Fight fire remotely due to the risk of explosion.

### SECTION 6: Accidental release measures

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

Remove persons to safety. Remove all sources of ignition. Ventilate affected area.  
Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.  
Wear personal protection equipment. (refer to chapter 8)

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Cover drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Ventilate affected area.  
Collect in closed containers for disposal.  
Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 6.4. Reference to other sections

refer to chapter 8.  
refer to chapter 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

Use only in well-ventilated areas.  
Wear suitable protective clothing. (refer to chapter 8)

##### **Advice on protection against fire and explosion**

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharge. In use, may form flammable/explosive vapour-air mixture. Vapours of flammable solvents can accumulate in the gas phase of closed container, especially during heat treatment. Therefore keep away from fire and sources of ignition. Heating causes rise in pressure with risk of bursting.

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### Further information on handling

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

General protection and hygiene measures: refer to chapter 8

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

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

Ensure adequate ventilation of the storage area. Make sure spills can be contained (e.g. sump pallets or kerbed areas).

#### Hints on joint storage

Do not store together with: Gas. Explosives. Flammable solids. Pyrophoric liquids and solids. Self-heating substances and mixtures. Substances and mixtures which, in contact with water, emit flammable gases.

Oxidizing liquids. Oxidizing solids. ammonium nitrate. Self-reactive substances and mixtures. Organic peroxides.

Non-combustible toxic substances. Radioactive substances. Infectious substances.

#### Further information on storage conditions

Protect against: UV-radiation/sunlight. heat. Humidity frost.

### 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
79-20-9	Methyl acetate	200	616		TWA (8 h)	WEL
		250	770		STEL (15 min)	WEL

### 8.2. Exposure controls



#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

#### Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink or smoke. Wash hands before breaks and after work. Take off contaminated clothing. Protect skin by using skin protective cream.

#### Eye/face protection

Tightly sealed safety glasses. DIN EN 166

#### Hand protection

In case of prolonged or frequently repeated skin contact: Wear protective gloves. DIN EN 374

Suitable material: Butyl rubber. (0,5 mm)

penetration time (maximum wearing period): 60 min

Before using check leak tightness / impermeability. For special purposes, it is recommended to check the

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resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

### Skin protection

Wear fire/flamm resistant/retardant clothing.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

Exceeding exposure limit values

Insufficient ventilation.

Suitable respiratory protective equipment: Protective respiration apparatus not using surrounding air (breathing apparatus) (DIN EN 133).

Use only respiratory protection equipment with CE-symbol including four digit test number.

### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	yellow
Odour:	characteristic

#### Test method

### Changes in the physical state

Initial boiling point and boiling range: 57-126 °C N/A

Flash point: n-butyl acetate: 27 °C

### Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits: not determined

Upper explosion limits: not determined

Ignition temperature: not determined

### Oxidizing properties

none

Vapour pressure: not determined

Density: 0,938 g/cm<sup>3</sup>

Water solubility: not determined

Viscosity / dynamic: not determined

### 9.2. Other information

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable under normal storage and handling conditions.

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**10.3. Possibility of hazardous reactions**

In use, may form flammable/explosive vapour-air mixture.

**10.4. Conditions to avoid**

Heating causes rise in pressure with risk of bursting. Keep away from heat/sparks/open flames/hot surfaces. -  
No smoking.

**10.5. Incompatible materials**

Oxidizing agents. Strong acid. strong alkalis.

**10.6. Hazardous decomposition products**Can be released in case of fire: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide Silicon dioxide.**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No information available.

**Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
123-86-4	n-butyl acetate				
	oral	LD50 >2000 mg/kg	Rat.	ECHA Dossier	
	dermal	LD50 >5000 mg/kg	Rat.	ECHA Dossier	
	inhalation (4 h) vapour	LC50 >21 mg/l	Rat.	ECHA Dossier	
79-20-9	methyl acetate				
	oral	LD50 >5000 mg/kg	Rat.	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rat.	ECHA Dossier	
	inhalation (4 h) vapour	LC50 >49,2 mg/l	Rabbit.	ECHA Dossier	

**Irritation and corrosivity**

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

n-butyl acetate (CAS-No.: 123-86-4):

No experimental indications of mutagenicity in-vitro exist.

Reproductive toxicity: (Rat OECD 416): NOAEC = 750 ppm

Developmental toxicity/teratogenicity (Rat 90d): LOAEC = 1500 ppm

Literature information: ECHA Dossier

methyl acetate (CAS-No.: 79-20-9):

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No experimental indications of mutagenicity in-vitro exist.

Literature information: ECHA Dossier

**STOT-single exposure**

May cause drowsiness or dizziness. (n-butyl acetate; methyl acetate)

**STOT-repeated exposure**

Repeated exposure may cause skin dryness or cracking.

n-butyl acetate (CAS-No.: 123-86-4):

Subchronic inhalative toxicity (Rat 90d): NOAEC = 500 ppm

Literature information: ECHA Dossier

methyl acetate (CAS-No.: 79-20-9):

Subchronic inhalative toxicity (Rat OECD 412): NOAEL = 350 ppm

Literature information: ECHA Dossier

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Specific effects in experiment on an animal**

No information available.

**SECTION 12: Ecological information****12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
123-86-4	n-butyl acetate					
	Acute fish toxicity	LC50 (18) mg/l	96 h	Pimephales promelas	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l 674,7	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 (44) mg/l	48 h	Daphnia sp.	ECHA Dossier	
79-20-9	methyl acetate					
	Acute fish toxicity	LC50 mg/l >250	96 h	Danio rerio	ECHA Dossier	
	Acute algae toxicity	ErC50 mg/l >120	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 mg/l >1000	48 h	Daphnia magna	ECHA Dossier	
	Acute bacteria toxicity	(>5000 mg/l)	0,5 h	Pseudomonas putida/Photobacterium phosphoreum	ECHA Dossier	

**12.2. Persistence and degradability**

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
123-86-4	n-butyl acetate			
	OECD 301D / EEC 92/69 annex V, C.4-E	83%	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
79-20-9	methyl acetate			

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	OECD 301D / EEC 92/69 annex V, C.4-E	>70	28	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
123-86-4	n-butyl acetate	2,3
79-20-9	methyl acetate	0,18

**12.4. Mobility in soil**

No data available

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

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects**

No data available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

**List of Wastes Code - residues/unused products**

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

**List of Wastes Code - used product**

160305 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; organic wastes containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** UN 1263

**14.2. UN proper shipping name:** Paint

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** III

Hazard label: 3



Classification code: F1



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Special Provisions: 163 640E 650  
 Limited quantity: 5 L  
 Excepted quantity: E1  
 Transport category: 3  
 Hazard No: 30  
 Tunnel restriction code: D/E

## Inland waterways transport (ADN)

14.1. UN number: UN 1263  
14.2. UN proper shipping name: Paint  
14.3. Transport hazard class(es): 3  
14.4. Packing group: III  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 163 640E 650  
 Limited quantity: 5 L  
 Excepted quantity: E1

## Marine transport (IMDG)

14.1. UN number: UN 1263  
14.2. UN proper shipping name: Paint  
14.3. Transport hazard class(es): 3  
14.4. Packing group: III  
 Hazard label: 3



Marine pollutant: NO  
 Special Provisions: 163, 223, 955  
 Limited quantity: 5 L  
 Excepted quantity: E1  
 EmS: F-E, S-E

## Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1263  
14.2. UN proper shipping name: Paint  
14.3. Transport hazard class(es): 3  
14.4. Packing group: III  
 Hazard label: 3



Special Provisions: A3 A72  
 Limited quantity Passenger: 10 L  
 Passenger LQ: Y344  
 Excepted quantity: E1

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IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

Refer to section 6-8

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

## SECTION 15: Regulatory information

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

#### EU regulatory information

2010/75/EU (VOC):	75 % (calculated)
2004/42/EC (VOC):	750,4 g/l (calculated)

#### Additional information

The preparation is dangerous in the sense of Directive 1999/45/EC.

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

Directive 96/82/EC for danger control following severe accidents with dangerous substances: Appendix I, Part 2, No 6 (Seveso II)

REACH 1907/2006 Appendix XVII, No (mixture): 3

#### National regulatory information

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D):	3 - highly water contaminating

## SECTION 16: Other information

### Changes

Rev. 1.00; 19.03.2015, Initial release

### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

CAS Chemical Abstracts Service

DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC50: Lethal concentration, 50 percent

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LD50: Lethal dose, 50 percent  
NOAEL: No observed adverse effect level  
NOAEC: No observed adverse effect level  
NTP: National Toxicology Program  
N/A: not applicable  
OSHA: Occupational Safety and Health Administration  
PNEC: predicted no effect concentration  
PBT: Persistent bioaccumulative toxic  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
SARA: Superfund Amendments and Reauthorization Act  
SVHC: substance of very high concern  
TRGS Technische Regeln fuerGefahrstoffe  
TSCA: Toxic Substances Control Act  
VOC: Volatile Organic Compounds  
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe  
WGK: Wassergefährdungsklasse

**Relevant H and EUH statements (number and full text)**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*