

Plastic care product Unipol Dur-Plastic-Polish

Print date 31.05.2023
Revision date 31.05.2023
Version 1.6 (en)
replaces version of 05.06.2020 (1.5)



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

*** 1.1 Product identifier**

Trade name/designation Plastic care product Unipol Dur-Plastic-Polish

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

Sector of uses [SU]

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3 Industrial uses

*** Use of the substance/mixture**

Polishing agent

*** Uses advised against**

any non-intended use

1.3 Details of the supplier of the safety data sheet

Supplier

joke Technology GmbH
Asselborner Weg 14-16
D-51249 Bergisch Gladbach
Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60
E-mail info@joke.de
Website <https://www.joke-technology.com/>

Department responsible for information:

Telephone +49 (0) 22 04 / 8 39-0
Telefax +49 (0) 22 04 / 8 39-60

E-mail (competent person):

sida@joke.de

1.4 Emergency telephone number

Vergiftungs-I-Z. Freiburg +49 (0) 761 / 1 92 40

REACH and CLP UK CA Help Desk +44 171 635 9191

*** SECTION 2: Hazards identification**

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

Remark

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

*** 2.2 Label elements**

*** Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

*** Remark**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

*** 2.3 Other hazards**

*** Adverse environmental effects**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

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Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

*** SECTION 3: Composition / information on ingredients****3.1 Substances**

not applicable

*** 3.2 Mixtures***** Hazardous ingredients**

CAS No.	EC No.	Substance name	Concentration	Classification according to Regulation (EC) No 1272/2008 [CLP]	SCL/ M/ ATE
934242-87-2	917-488-4	Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten	7 < 10 weight-%	Asp. Tox. 1; H304; EUH066	ATE(oral): > 15000 mg/kg ATE(dermal): > 5000 mg/kg
	920-107-4	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten	5 < 7 weight-%	Asp. Tox. 1; H304	ATE(oral): > 15000 mg/kg ATE(dermal): > 3160 mg/kg
	918-973-3	Kohlenwasserstoffe, C13-C16, iso-Alkane, Cyclische Verbindungen, < 2 % Aromaten	5 < 7 weight-%	Asp. Tox. 1; H304	ATE(oral): > 5000 mg/kg ATE(dermal): > 3160 mg/kg
	926-141-6	Hydrocarbons, C11-C14, n-alkane, iso-alkane, cyclene, < 2 % aromatics	1 < 3 weight-%	Asp. Tox. 1; H304; EUH066	ATE(oral): > 5000 mg/kg ATE(dermal): > 5000 mg/kg ATE(inhalation vapour): > 20 mg/L

REACH No.	Substance name
01-2119458943-27	Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten
01-2119453414-43-XXX	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten
01-2119458871-30	Kohlenwasserstoffe, C13-C16, iso-Alkane, Cyclische Verbindungen, < 2 % Aromaten
01-2119456620-43-0000	Hydrocarbons, C11-C14, n-alkane, iso-alkane, cyclene, < 2 % aromatics

*** Additional information**

<5 % aliphatic hydrocarbons.

The product does not contain any listed SVHC substances >0.1% according to Regulation (EC) No. 1907/2006 § 59 (REACH)

*** 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).

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- * **Following inhalation**
Remove casualty to fresh air and keep warm and at rest.
In case of respiratory tract irritation, consult a physician.
- Following skin contact**
After contact with skin, wash immediately with plenty of water and soap.
In case of skin irritation, consult a physician.
- * **After eye contact**
Rinse immediately carefully and thoroughly with eye-bath or water.
In case of eye irritation consult an ophthalmologist.
- * **Following ingestion**
Rinse mouth thoroughly with water.
Let water be drunken in little sips (dilution effect).
Do NOT induce vomiting.
If symptoms persist consult a doctor.

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

- * **Symptoms**
No data available

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

- * **Notes for the doctor**
Treat symptomatically.

* **SECTION 5: Firefighting measures**

* **5.1 Extinguishing media**

- * **Suitable extinguishing media**
Carbon dioxide (CO₂)
Dry extinguishing powder
alcohol resistant foam
Water spray

Unsuitable extinguishing media
Full water jet

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

- * **Hazardous combustion products**
In case of fire may be liberated:
Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for firefighters
In case of fire: Wear self-contained breathing apparatus.

* **Additional information**

Co-ordinate fire-fighting measures to the fire surroundings.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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* **SECTION 6: Accidental release measures**

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

- * **For non-emergency personnel**
Use personal protection equipment.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

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

- * **For containment**
Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
- * **For cleaning up**
Clean contaminated articles and floor according to the environmental legislation.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

* **SECTION 7: Handling and storage**

* **7.1 Precautions for safe handling**

- * **Protective measures**
Usual measures for fire prevention.
Wear personal protection equipment (refer to section 8).

- * **Advices on general occupational hygiene**
When using do not eat, drink, smoke, sniff.
Wash hands before breaks and after work.

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

- * **Requirements for storage rooms and vessels**
Keep container tightly closed.
- * **Storage class**
12 non-combustible liquids that cannot be assigned to any of the above storage classes
- * **Materials to avoid**
Do not store together with:
Explosives
Food and feedingstuffs
Oxidising agent
- * **Further information on storage conditions**
Keep container tightly closed in a cool, well-ventilated place.
Recommended storage temperature 20°C
Protect against:
Heat
Frost
Humidity
UV-radiation/sunlight

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7.3 Specific end use(s)**Recommendation**

See section 1.2

*** SECTION 8: Exposure controls/personal protection***** 8.1 Control parameters***** DNEL worker**

CAS No.	Substance name	DNEL value	DNEL type	Remark
64742-82-1	Hydrocarbons, C11-C14,n-alkane, iso-alkane, cyclene, < 2 % aromatics	6.8 mg/kg	acute dermal, short-term (systemic)	

*** PNEC**

CAS No.	Substance name	PNEC Value	PNEC type	Remark
64742-82-1	Hydrocarbons, C11-C14,n-alkane, iso-alkane, cyclene, < 2 % aromatics	0.0011 µg/L	aquatic, freshwater	
64742-82-1	Hydrocarbons, C11-C14,n-alkane, iso-alkane, cyclene, < 2 % aromatics	0.011 µg/L	aquatic, marine water	

*** 8.2 Exposure controls***** Appropriate engineering controls***** Remark**

Technical measures and the application of suitable work processes have priority over personal protection equipment.
 Closed devices

*** Personal protection equipment***** Eye/face protection**

tightly fitting goggles
 EN 166

*** Hand protection**

By long-term hand contact
 Angaben zum Handschuhmaterial [Art/Typ, Dicke, Durchdringzeit/Tragedauer, Benetzungsstärke]: EN 374, FKM, 480 min., 0,4mm
 Information on glove material [type / type, thickness, penetration time, force]: butyl, 0.5 mm, >= 8 h
 Information on glove material [type / type, thickness, penetration time, force]: CR, 0,5 mm, >=8 h
 Information on glove material [type / type, thickness, penetration time, force]: NBR, 0,35 mm, >=8 h
 Information on glove material [type / type, thickness, permeation time / duration of wetting, wetting strength]:PVC, > 0,5 mm,> 480 min.
 DIN-/EN-Norms
 EN ISO 374
 Check leak tightness/impermeability prior to use.
 In the case of wanting to use the gloves again, clean them before taking off and air them well.

*** Body protection:**

lab coat
 Suitable protective clothing:

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- * **Respiratory protection**
 Not required for normal handling.
 Respiratory protection necessary at:
 insufficient ventilation
 exceeding exposure limit values
 aerosol or mist formation
 dust formation
 Suitable respiratory protection apparatus:
 Particle filter device (DIN EN 143)
 Filter type P2-3
 The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
 Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Thermal hazards

No data available

- * **Environmental exposure controls**

* **Remark**

This information is not available.

* **SECTION 9: Physical and chemical properties**

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

* **Physical state**

liquid
 viscous

* **Colour**

light blue

Odour

characteristic

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:	not determined		
Melting point/freezing point	not determined		
Boiling point or initial boiling point and boiling range	not determined		
flammability	not determined		
Lower and upper explosion limit	not determined		
Flash point	not determined		
Auto-ignition temperature	not determined		
Decomposition temperature	not determined		
pH	8- 10		
Viscosity	kinematic > 1008 mm ² /s (40°C)	DIN 53019	
Solubility(ies)	not determined		

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	Value	Method	Source, Remark
Partition coefficient n-octanol/water (log value)	≥ 5.03		Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten
Vapour pressure	not determined		
Density and/or relative density	1.2- 1.4 g/cm ³		
Relative vapour density	not determined		
particle characteristics	not determined		

*** 9.2 Other information***** Other safety characteristics**

	Value	Method	Source, Remark
Solid content	30- 32 %		

*** Other information**

Not sustaining combustion.

*** SECTION 10: Stability and reactivity****10.1 Reactivity**

This information is not available.

*** 10.2 Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

*** 10.3 Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

*** 10.4 Conditions to avoid**

Evolution of heat.
 Direct sunlight.

*** 10.5 Incompatible materials**

Materials to avoid
 Oxidising agent, strong
 Reducing agent, strong

*** 10.6 Hazardous decomposition products**

In case of fire: carbon monoxide and carbon dioxide.
 Nitrogen oxides (NO_x)

*** SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008***** Acute toxicity**

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-
- * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **Skin corrosion/irritation**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **Serious eye damage/irritation**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **Sensitisation to the respiratory tract**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **Skin sensitisation**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **Germ cell mutagenicity**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **Carcinogenicity**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **Reproductive toxicity**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **STOT-single exposure**
 - * **STOT SE 1 and 2**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **STOT SE 3**
 - * **Irritation to respiratory tract**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **Narcotic effects**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.
 - * **STOT-repeated exposure**
 - * **Assessment/classification**
Based on available data, the classification criteria are not met.

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*** Aspiration hazard***** Assessment/classification**

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

11.2 Information on other hazards

No data available

*** SECTION 12: Ecological information***** 12.1 Toxicity***** Aquatic toxicity**

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	Hydrocarbons, C11-C14,n-alkane, iso-alkane, cyclene, < 2 % aromatics LC50: > 1000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h Kohlenwasserstoffe, C13-C16, iso-Alkane, Cyclische Verbindungen, < 2 % Aromaten LL50 > 87556 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 96 h		
Chronic (long-term) fish toxicity	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten NOEC > 1000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 28 d CAS No.934242-87-2 Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten NOEC > 1000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 28 d Kohlenwasserstoffe, C13-C16, iso-Alkane, Cyclische Verbindungen, < 2 % Aromaten NOEC > 1000 mg/L Species Oncorhynchus mykiss (Rainbow trout) Test duration 28 d		
Acute (short-term) toxicity to crustacea	Kohlenwasserstoffe, C13-C16, iso-Alkane, Cyclische Verbindungen, < 2 % Aromaten EL50 > 42958 mg/L Test duration 48 h		

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	Effective dose	Method, Evaluation	Source, Remark
Chronic (long-term) toxicity to aquatic invertebrate	Hydrocarbons, C11-C14, n-alkane, iso-alkane, cyclene, < 2 % aromatics EC50 1000 mg/L Species Daphnia magna (Big water flea) Test duration 48 h		
	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten NOEC > 1000 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
	CAS No.934242-87-2 Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten NOEC > 1000 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
	Kohlenwasserstoffe, C13-C16, iso-Alkane, Cyclische Verbindungen, < 2 % Aromaten NOEC 5 mg/L Species Daphnia magna (Big water flea) Test duration 21 d		
Acute (short-term) toxicity to algae and cyanobacteria	Hydrocarbons, C11-C14, n-alkane, iso-alkane, cyclene, < 2 % aromatics ErC50: > 1000 mg/L Species Pseudokirchnerella subcapitata Test duration 72 h	OECD 201	
	CAS No.934242-87-2 Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten ErC50: > 1000 mg/L Species Pseudokirchneriella subcapitata Test duration 72 h	OECD 201	
	Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten ErC50: > 1000 mg/L Species Pseudokirchneriella subcapitata Test duration 72 h	OECD 201	

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	Effective dose	Method, Evaluation	Source, Remark
	Kohlenwasserstoffe, C13-C16, iso-Alkane, Cyclische Verbindungen, < 2 % Aromaten ErC50: > 3200 mg/L Species Skeletonema costatum Test duration 72 h	OECD 209	
	Kohlenwasserstoffe, C13-C16, iso-Alkane, Cyclische Verbindungen, < 2 % Aromaten > 100 mg/L Test duration 3 h		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	not determined		

* **Assessment/classification**

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

* **12.2 Persistence and degradability**

	Value	Method	Source, Remark
Biodegradation	Degradation rate 69 % Test duration 28 d	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	Hydrocarbons, C11- C14, n-alkane, iso- alkane, cyclene, < 2 % aromatics

* **Assessment/classification**

Readily biodegradable (according to OECD criteria).

* **12.3 Bioaccumulative potential**

	Value	Method	Source, Remark
Bioconcentration factor (BCF)	Bioconcentration factor (BCF) 144.3		CAS No.934242-87-2 Kohlenwasserstoffe, C13-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten
Bioconcentration factor (BCF)	Bioconcentration factor (BCF) ≥ 207.7		Kohlenwasserstoffe, C12-C15, n-Alkane, Isoalkane, Cyclene, <2% Aromaten
Bioconcentration factor (BCF)	Bioconcentration factor (BCF) 22		Kohlenwasserstoffe, C13-C16, iso-Alkane, Cyclische Verbindungen, < 2 % Aromaten

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	Value	Method	Source, Remark
Bioconcentration factor (BCF)	Bioconcentration factor (BCF) 144.3		Hydrocarbons, C11-C14, n-alkane, iso-alkane, cyclene, < 2 % aromatics

*** 12.4 Mobility in soil***** Assessment/classification**

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

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects*** Additional ecotoxicological information***** Additional information**

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

*** SECTION 13: Disposal considerations***** 13.1 Waste treatment methods***** Waste codes/waste designations according to EWC/AVV**

Waste code product Waste name

120120 * spent grinding bodies and grinding materials containing hazardous substances

Waste code packaging Waste name

150110 * packaging containing residues of or contaminated by hazardous substances

*** Appropriate disposal / Product**

Dispose of waste according to applicable legislation.

*** Appropriate disposal / Package**

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

Non-contaminated packages may be recycled.

*** Remark**

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Delivery to an approved waste disposal company.

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-

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	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No

14.6 Special precautions for user

No data available

14.7 Maritime transport in bulk according to IMO instruments

not applicable

All transport carriers

No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.

Land transport (ADR/RID)

Remark

Not classified for this transport carrier.

Sea transport (IMDG)

Remark

Not classified for this transport carrier.

Air transport (ICAO-TI / IATA-DGR)

Remark

Not classified for this transport carrier.

*** SECTION 15: Regulatory information**

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

No data available

*** 15.2 Chemical Safety Assessment**

Chemical safety assessments were carried out for substances in this mixture.

*** SECTION 16: Other information**

*** Indication of changes**

* Data changed compared with the previous version

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- * **Abbreviations and acronyms**
REACH: Registration, Evaluation and Authorization of Chemicals
SU: use category
CLP: Classification, Labelling and Packaging
PBT: persistent and bioaccumulative and toxic
vPvB: very persistent, very bioaccumulative
CAS: Chemical Abstracts Service
SCL: Specific concentration limit
ATE: Acute Toxicity Estimate
Asp. Tox. 1: Aspiration toxicity, Category 1
CO₂: Carbon dioxide
TRGS: Technical Rules for Hazardous Substances
DNEL: derived no-effect level
PNEC: Predicted No Effect Concentration
DIN: German Institute for Standardization / German Industrial Standard
EN: European Standard
ISO: International Organization for Standardization
OECD: Organisation for Economic Cooperation and Development
LD₅₀: Lethal (fatal) Dose 50%
LC₅₀: Lethal (fatal) Concentration 50%
STOT: Specific Target Organ Toxicity
LL₅₀: Lethal Loading 50 %
NOEC: No Observed Effect Concentration
EL₅₀: Effective Loading 50 %
EC₅₀: Effective Concentration 50%
ErC₅₀: Effective Concentration 50 % reduction in growth rate
BCF: Bioconcentration Factor
AVV: Waste Shipment Ordinance (DE)
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Dangerous goods regulations for transport by rail
IMDG: International Maritime Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
DGR: Dangerous Goods Regulations (IATA)
IMO: International Maritime Organization
WGK: water hazard class

- * **Key literature references and sources for data**
<http://echa.europa.eu/>.
Datasheets of the manufacturer

- * **Additional information**
This safety data sheet complies with the requirements of Commission Regulation (EU) 2020/878 amending Regulation (EC) No 1907/2006.
National and local regulations concerning chemicals shall be observed.
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.

Relevant H- and EUH-phrases (Number and full text)

H304 May be fatal if swallowed and enters airways.

- * **Indication of changes**
* Data changed compared with the previous version