

Ramsauer GmbH & Co KG

4822 Bad Goisern / H.

Date printed 23.09.2015, Revision 08.08.2014

Version 04. Supersedes version: 03

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Elast 815****1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**

For filling, fixing and insulating gaps and cavities.

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

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1.4 Emergency telephone number

Advisory body +43 (0) 1 406 43 43 (24h)
Company +43(0)6135 8205-0 (Mo.-Do.: 7.30-17.00, Fr.:7.30-12.00)

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Aerosol 1: H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated.
Skin Irrit. 2: H315 Causes skin irritation.
Eye Irrit. 2: H319 Causes serious eye irritation.
STOT SE 3: H335 May cause respiratory irritation.
Carc. 2: H351 Suspected of causing cancer.
Skin Sens. 1: H317 May cause an allergic skin reaction.
Resp. Sens. 1: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

The product is required to be labelled in accordance with GHS/CLP-Directives.

Hazard pictograms



Signal word

DANGER

Contains:

Diphenylmethanediisocyanate, isomeres and homologues

Hazard statements

H222 Extremely flammable aerosol.
 H229 Pressurised container: May burst if heated.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H351 Suspected of causing cancer.
 H317 May cause an allergic skin reaction.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122°F.
 P260 Do not breathe vapours.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves / eye protection / face protection.
 P284 In case of inadequate ventilation wear respiratory protection.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P501 Dispose of contents / container to in accordance with local / regional / national / international regulation.
 P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER / doctor.

Special labelling

EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

Physico-chemical hazards

Heat causes increase in pressure and risk of bursting.

Environmental hazards

Does not contain any PBT or vPvB substances.

Other hazards

none

SECTION 3: Composition / Information on ingredients**Product-type:**

The product is a mixture.

Range [%]	Substance
5 - <20	Tris(2-chloro-1-methylethyl) phosphate CAS: 13674-84-5, EINECS/ELINCS: 237-158-7, Reg-No.: 01-2119486772-26-xxxx GHS/CLP: Acute Tox. 4: H302
1 - <20	Dimethyl ether CAS: 115-10-6, EINECS/ELINCS: 204-065-8, EU-INDEX: 603-019-00-8, Reg-No.: 01-2119472128-37-XXXX GHS/CLP: Flam. Gas 1: H220 - Press. Gas (*): H280
10 - <15	Diphenylmethanediisocyanate, isomeres and homologues CAS: 32055-14-4, EINECS/ELINCS: 500-079-6, Reg-No.: 01-2119457024-46-XXXX GHS/CLP: Skin Irrit. 2: H315 - Skin Sens. 1: H317 - Eye Irrit. 2: H319 - Acute Tox. 4: H332 - Resp. Sens. 1: H334 - STOT SE 3: H335 - Carc. 2: H351 - STOT RE 2: H373
1 - <20	iso-Butane CAS: 75-28-5, EINECS/ELINCS: 200-857-2, EU-INDEX: 601-004-00-0 GHS/CLP: Flam. Gas 1: H220 - Press. Gas (*): H280
0,5 - <20	Propane CAS: 74-98-6, EINECS/ELINCS: 200-827-9, EU-INDEX: 601-003-00-5 GHS/CLP: Flam. Gas 1: H220 - Press. Gas (*): H280

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures**4.1 Description of first aid measures****General information**

Remove contaminated soaked clothing immediately and dispose of safely.

Inhalation

Remove the victim into fresh air and keep him calm.
In the event of symptoms seek medical treatment.

Skin contact

In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

Eye contact

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.

Ingestion

Seek medical advice immediately.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Foam.
Dry powder.
Water spray jet.
Carbon dioxide.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:
Hydrogen chloride (HCl).
Hydrogen cyanide (HCN).
Nitrogen oxides (NOx).
Bursting aerosols can be forcibly projected from a fire.

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Do not inhale explosion and/or combustion gases.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.
Cool containers at risk with water spray jet.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand).
Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
Vapours can form an explosive mixture with air.
Do not eat, drink, smoke or take drugs at work.
Wash hands before breaks and after work.
Clean skin thoroughly after work, apply skin cream.
Use barrier skin cream.
Remove contaminated soaked clothing immediately and dispose of safely.

7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.
Prevent penetration into the ground.
Do not store together with oxidizing agents.
Keep container in a well-ventilated place.
Protect from heat/overheating.
Keep in a cool place, heat causes increase in pressure and risk of bursting.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection**8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

Range [%]	Substance
10 - <15	Diphenylmethanediisocyanate, isomeres and homologues
	CAS: 32055-14-4, EINECS/ELINCS: 500-079-6, Reg-No.: 01-2119457024-46-XXXX
	Long-term exposure: 0,02 mg/m ³ , as NCO, Sen
	Short-term exposure (15-minute): 0,07 mg/m ³
1 - <20	Dimethyl ether
	CAS: 115-10-6, EINECS/ELINCS: 204-065-8, EU-INDEX: 603-019-00-8, Reg-No.: 01-2119472128-37-XXXX
	Long-term exposure: 400 ppm, 766 mg/m ³
	Short-term exposure (15-minute): 500 ppm, 958 mg/m ³
1 - <20	iso-Butane
	CAS: 75-28-5, EINECS/ELINCS: 200-857-2, EU-INDEX: 601-004-00-0
	Long-term exposure: 600 ppm, 1450 mg/m ³ , (Butane)
	Short-term exposure (15-minute): 750 ppm, 1810 mg/m ³

Ingredients with occupational exposure limits to be monitored (EU)

Range [%]	Substance / EC LIMIT VALUES
1 - <20	Dimethyl ether
	CAS: 115-10-6, EINECS/ELINCS: 204-065-8, EU-INDEX: 603-019-00-8, Reg-No.: 01-2119472128-37-XXXX
	Eight hours: 1000 ppm, 1920 mg/m ³

DNEL

Range [%]	Substance
5 - <20	Tris(2-chloro-1-methylethyl) phosphate, CAS: 13674-84-5
	Industrial, dermal, Long-term - systemic effects: 2,08 mg/kg bw/day.
	Industrial, dermal, Acute - systemic effects: 8 mg/kg bw/day.
	Industrial, inhalative, Long-term - systemic effects: 5,82 mg/m ³ .
	Industrial, inhalative, Acute - systemic effects: 22,4 mg/m ³ .
10 - <15	Diphenylmethanediisocyanate, isomeres and homologues, CAS: 32055-14-4
	Industrial, inhalative, Long-term - local effects: 0,05 mg/m ³ .
	Industrial, inhalative, Long-term - systemic effects: 0,05 mg/m ³ .
	Industrial, inhalative, Acute - local effects: 0,1 mg/m ³ .
	Industrial, inhalative, Acute - systemic effects: 0,1 mg/m ³ .
	Industrial, dermal, Acute - local effects: 28,7 mg/cm ² .
	Industrial, dermal, Acute - systemic effects: 50 mg/kg/day.
1 - <20	Dimethyl ether, CAS: 115-10-6
	Industrial, inhalative, Long-term - systemic effects: 1894 mg/m ³ .
	general population, inhalative, Long-term - systemic effects: 471 mg/m ³ .

PNEC

Range [%]	Substance
5 - <20	Tris(2-chloro-1-methylethyl) phosphate, CAS: 13674-84-5
	sediment (seaater), 1,34 mg/kg dwt.
	sediment, 13,4 mg/kg dwt.
	freshwater, 0,64 mg/l.
	seawater, 0,064 mg/l.
	sewage treatment plants (STP), 7,84 mg/l.

	soil, 1,7 mg/kg dwt.
10 - <15	Diphenylmethanediisocyanate, isomeres and homologues, CAS: 32055-14-4
	sewage treatment plants (STP), > 1 mg/l.
	soil, > 1 mg/kg.
	seawater, > 0,1 mg/l.
	freshwater, > 1 mg/l.
1 - <20	Dimethyl ether, CAS: 115-10-6
	sewage treatment plants (STP), 160 mg/l.
	soil, 0,045 mg/kg.
	sediment, 0,681 mg/kg.
	freshwater, 0,155 mg/l.

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	Safety glasses.
Hand protection	Butyl rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Light protective clothing.
Other	Avoid contact with eyes and skin. Do not inhale vapours. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Respiratory protection	Breathing apparatus in the event of high concentrations. Short term: filter apparatus, combination filter A-P2.
Thermal hazards	no
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form	aerosol
Color	grey
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not applicable
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not applicable
Density [g/ml]	not determined
Bulk density [kg/m ³]	not applicable
Solubility in water	reacts with water
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not applicable
Autoignition temperature [°C]	not applicable
Decomposition temperature [°C]	not applicable

9.2 Other information

none

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

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Because of the high vapour pressure, containers are liable to burst if temperature rises.
Formation of explosive gas/air mixtures.

10.4 Conditions to avoid

See SECTION 7

10.5 Incompatible materials

not determined

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Product
ATE-mix, inhalativ (mist), Rat: > 5 mg/l 4h.
ATE-mix, oral, Rat: > 2000 mg/kg.

Range [%]	Substance
1 - <20	iso-Butane, CAS: 75-28-5
	LC50, inhalative, Rat: 570000 ppm (IUCLID).
5 - <20	Tris(2-chloro-1-methylethyl) phosphate, CAS: 13674-84-5
	LD50, oral, Rat: > 500 -2000 mg/kg.
	LD50, dermal, Rat: > 2000 mg/kg.
	LC0, inhalative, Rat: > 7 mg/l 4h.
0,5 - <20	Propane, CAS: 74-98-6
	LC50, inhalative, Rat: 658 mg/L (IUCLID).
10 - <15	Diphenylmethanediisocyanate, isomeres and homologues, CAS: 32055-14-4
	LD50, inhalative, Rat: 310 mg/m ³ , 4 h OECD 403.
	LD50, dermal, Rabbit: > 9400 mg/kg OECD 402.
	LD50, oral, Rat: > 10000 mg/kg OECD 401.
	NOAEL, inhalative, Rat: 0,2 mg/m ³ .
	LOAEL, inhalative, Rat: 1 mg/m ³ .

Serious eye damage/irritation	not determined
Skin corrosion/irritation	not determined
Respiratory or skin sensitisation	not determined
Specific target organ toxicity — single exposure	not determined
Specific target organ toxicity — repeated exposure	not determined
Mutagenicity	not determined
Reproduction toxicity	not determined
Carcinogenicity	This product contains one or more substance(s) of categorie Carc. 2 (CLP). (CAS 26447-40-5)

General remarks

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 12: Ecological information**12.1 Toxicity**

Range [%]	Substance
5 - <20	Tris(2-chloro-1-methylethyl) phosphate, CAS: 13674-84-5
	LC50, (96h), Pimephales promelas: 51 mg/l.
	EC50, (48h), Daphnia magna: 131 mg/l.
	EC50, (3h), Bacteria: 784 mg/l.
	IC50, (72h), Algae: 82 mg/l.
10 - <15	Diphenylmethanediisocyanate, isomeres and homologues, CAS: 32055-14-4
	LC50, (96h), Danio rerio: > 1000 mg/l OECD 203.
	EC50, (24h), Daphnia magna: > 1000 mg/l OECD 202.
	EC50, (72h), Scenedesmus subspicatus: > 1640 mg/l OECD 201.
	NOEC, (21d), Daphnia magna: > 10 mg/l OECD 202.

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not applicable

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Ecological data of complete product are not available.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

The product contains organically bound halogen in accordance with the formulation.

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

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Coordinate disposal with the authorities if necessary.
Dispose of as hazardous waste.

Waste no. (recommended)

160504* gases in pressure containers (including halons) containing dangerous substances
080501*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Dispose full / partially emptied cartridges as hazardous waste in accordance with official regulations.

Waste no. (recommended)

150110*
150104

SECTION 14: Transport information**14.1 UN number**

See SECTION 14.2 in accordance with UN shipping name

14.2 UN proper shipping name

Transport by land according to ADR/RID UN 1950 AEROSOLS 2.1

- Classification Code

5F

- Label



- ADR LQ

1 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 2 (D)

Inland navigation (ADN)

UN 1950 AEROSOLS 2.1

- Classification Code

5F

- Label



Marine transport in accordance with IMDG UN 1950 Aerosols 2.1 -

- EMS

F-D, S-U

- Label



- IMDG LQ

1 I

Air transport in accordance with IATA UN 1950 Aerosols, flammable 2.1

- Label

**14.3 Transport hazard class(es)**

See SECTION 14.2 in accordance with UN shipping name

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14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EEC-REGULATIONS	1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC; (EU) 2015/830
TRANSPORT-REGULATIONS	DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4
- Observe employment restrictions for people	Observe employment restrictions for young people. Observe employment restrictions for mothers-to-be and nursing mothers.
- VOC (1999/13/CE)	14 - 22%

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information**16.1 Hazard statements (SECTION 3)**

H373 May cause damage to organs through prolonged or repeated exposure.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H332 Harmful if inhaled.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H315 Causes skin irritation.
H280 Contains gas under pressure; may explode if heated.
H220 Extremely flammable gas.
H302 Harmful if swallowed.

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16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 CAS = Chemical Abstracts Service
 CLP = Classification, Labelling and Packaging
 DMEL = Derived Minimum Effect Level
 DNEL = Derived No Effect Level
 EC50 = Median effective concentration
 ECB = European Chemicals Bureau
 EEC = European Economic Community
 EINECS = European Inventory of Existing Commercial Chemical Substances
 ELINCS = European List of Notified Chemical Substances
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50 = Inhibition concentration, 50%
 IMDG = International Maritime Code for Dangerous Goods
 IUCLID = International Uniform Chemical Information Database
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 TLV@/TWA = Threshold limit value – time-weighted average
 TLV@STEL = Threshold limit value – short-time exposure limit
 VOC = Volatile Organic Compounds
 vPvB = very Persistent and very Bioaccumulative

16.3 Other information**Classification procedure**

Aerosol 1: H222 Extremely flammable aerosol. (Bridging principle "Aerosols") H229 Pressurised container: May burst if heated. (Bridging principle "Aerosols")
 Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)
 Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
 STOT SE 3: H335 May cause respiratory irritation. (Calculation method)
 Carc. 2: H351 Suspected of causing cancer. (Calculation method)
 Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)
 Resp. Sens. 1: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. (Calculation method)
 STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. (Calculation method)

Modified position

SECTION 15 been added: EUH204 Contains isocyanates. May produce an allergic reaction.

SECTION 2 deleted: H302+H332 Harmful if swallowed or if inhaled.

SECTION 2 been added: The product is required to be labelled in accordance with GHS/CLP-Directives.

SECTION 2 deleted: Acute Tox. 4

SECTION 2 been added: H373 May cause damage to organs through prolonged or repeated exposure.

SECTION 2 deleted: P201 Obtain special instructions before use.

SECTION 2 deleted: P202 Do not handle until all safety precautions have been read and understood.

SECTION 2 deleted: P264 Wash thoroughly after handling with plenty of water and soap.

SECTION 2 deleted: P280 Wear protective gloves / protective clothing / eye protection / face protection.

SECTION 2 deleted: P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 2 been added: P284 In case of inadequate ventilation wear respiratory protection.

SECTION 2 deleted: P308+P313 IF exposed or concerned: Get medical advice / attention.

SECTION 2 been added: P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

SECTION 2 been added: P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER / doctor.

SECTION 2 been added: P280 Wear protective gloves / eye protection / face protection.

SECTION 5 been added: In the event of fire the following can be released:

SECTION 5 deleted: Risk of formation of toxic pyrolysis products.

SECTION 6 been added: Use personal protective equipment.

SECTION 7 deleted: Keep away from all sources of ignition - Refrain from smoking.

SECTION 7 been added: Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

SECTION 7 been added: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.

SECTION 8 deleted: See SECTION 6+7.

SECTION 8 been added: Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 11 been added: This product contains one or more substance(s) of categorie Carc. 2 (CLP).

SECTION 11 deleted: The product was classified on the basis of the calculation procedure of the preparation directive.

SECTION 11 deleted: This product contains one or more substance(s) of Carc. Cat. 3 (EC).

SECTION 12 deleted: No classification on the basis of the calculation procedure of the preparation directive.

SECTION 16 been added: Calculation method

SECTION 16 been added: Observe employment restrictions for young people.

SECTION 16 been added: Bridging principle "Aerosols"

SECTION 16 been added: Observe employment restrictions for mothers-to-be and nursing mothers.

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