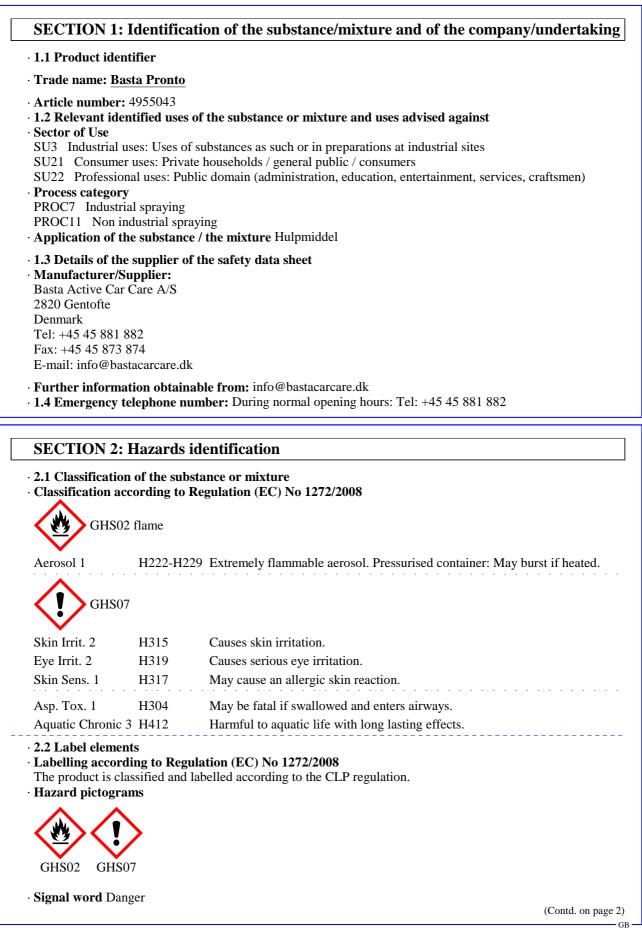
# Safety data sheet

according to 1907/2006/EC, Article 31

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· Hazard-d	etermining components of labelling:
	oon, C4, 1,3-butandien free, polymerized, triisobuthylfraction, hydronized
Naphtheni	c Acid
Hazard st	atements
H222-H22	9 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.
Precautio	nary statements
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
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.
P260	Do not breathe spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
	0 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P304+P34	0 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331	Do NOT induce vomiting.
P403	Store in a well-ventilated place.
P410+P41	2 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
2.3 Other	
Results of	PBT and vPvB assessment
	applicable.
vPvB: No	t applicable.

## **SECTION 3: Composition/information on ingredients**

· 3.2 Mixtures

\*

 $\cdot$  **Description:** Active substance with propellant

### · Dangerous components:

· Dangerous component		
CAS: 106-97-8	butane (containing $< 0.1\%$ butadiene (203-450-8))	25-<50%
EINECS: 203-448-7	Flam. Gas 1, H220; Press. Gas (Comp.), H280	
CAS: 93685-81-5	Hydrocarbon, C4, 1,3-butandien free, polymerized, triisobuthylfraction,	
EINECS: 297-629-8	hydronized	
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 4, H413	
EC number: 921-024-6	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	2.5-<10%
	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	-
EC number: 923-037-2	Hydrocarbons, C10-C12, iso-alkanes, <2% aromatics	2.5-<10%
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	-
EC number: 920-750-0	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	2.5-<10%
	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	-
CAS: 34590-94-8	(2-methoxymethylethoxy)propanol	2.5-<10%
EINECS: 252-104-2	substance with a Community workplace exposure limit	
CAS: 1338-24-5	Naphthenic Acid	1.0-<2.5%
EINECS: 215-662-8	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	-
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CAS: 74-98-6	propane	1.0-<2.5%
EINECS: 200-827-9	Flam. Gas 1, H220; Press. Gas (Comp.), H280	
CAS: 61791-55-7	Amines, N-tallow alkyltrimethylenedi-	0.25-<1%
EINECS: 263-189-0	Skin Corr. 1B, H314; Aquatic Acute 1, H400; Acute Tox. 4, H302	
· Additional information	n:	

# SECTION 4: First aid measures

# · 4.1 Description of first aid measures

#### • After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: Do not induce vomiting; call for medical help immediately.

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

- No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

#### **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- $\cdot$  Suitable extinguishing agents:
- Water haze

Fire-extinguishing powder

Carbon dioxide

Alcohol resistant foam

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- Protective equipment: Mount respiratory protective device.

# **SECTION 6: Accidental release measures**

- $\cdot$  6.1 Personal precautions, protective equipment and emergency procedures
- Wear protective equipment. Keep unprotected persons away.
- · 6.2 Environmental precautions:
- Do not allow product to reach sewage system or any water course.
- Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

- · 6.3 Methods and material for containment and cleaning up:
- Ensure adequate ventilation.
- Do not flush with water or aqueous cleansing agents
- $\cdot$  6.4 Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

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#### **SECTION 7: Handling and storage**

#### · 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

#### Open and handle receptacle with care. • Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

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

- · Storage:
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

Observe official regulations on storing packagings with pressurised containers.

- · Information about storage in one common storage facility:
- Observe official regulations on storing packagings with pressurised containers.
- $\cdot$  Further information about storage conditions:
- Keep receptacle tightly sealed.
- Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

- Protect from heat and direct sunlight.
- 7.3 Specific end use(s) No further relevant information available.

### **SECTION 8: Exposure controls/personal protection**

• Additional information about design of technical facilities: No further data; see item 7.

<sup>· 8.1</sup> Control parameters

· Ingredien	ts with limit values that ree	quire monitoring at the workplace:
106-97-8	butane (containing < 0.1%	butadiene (203-450-8))
Lor	rt-term value: 1810 mg/m <sup>3</sup> , 7 ng-term value: 1450 mg/m <sup>3</sup> , 6 c (if more than 0.1% of buta	500 ppm
34590-94-	8 (2-methoxymethylethoxy	r)propanol
WEL Lor Sk	ng-term value: 308 mg/m <sup>3</sup> , 50	) ppm
74-98-6 p	ropane	
	rt-term value: 3600 mg/m³, 2 ng-term value: 1800 mg/m³, 1	
· DNELs		
Hydrocar	bons, C6-C7, n-alkanes, iso	oalkanes, cyclics, <5% n-hexane
Oral	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
		773 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	608 mg/m3 (Consumer)
		2035 mg/m3 (Worker)
Hydrocar	bons, C7-C9, n-alkanes, iso	balkanes, cyclics
Oral	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
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			(Contd. of page 4)
Dermal	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)	
		773 mg/kg bw/day (Worker)	
Inhalative	DNEL Long term-systemic	608 mg/m3 (Consumer)	
		2035 mg/m3 (Worker)	
· Additiona	l information: The lists vali	d during the making were used as basis.	

#### · 8.2 Exposure controls

· Personal protective equipment:

#### $\cdot$ General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

#### · Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter AX/P2

Filter A/P2

Protection of hands:

Wear gloves for the protection against chemicals according to EN 374



Protective gloves

Solvent resistant gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation **Material of gloves** 

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.5 \text{ mm}$ 

#### Penetration time of glove material

For continuous contact we recommend gloves with breakthrough time of at least 240 minutes, with the preference given to a breakthrough time greater than 480 minutes. For short-term or splash guard we recommend the same. We are aware that suitable gloves that offer this level of protection may not be available. In that case, a shorter breakthrough time are acceptable as long as the procedures governing maintenance and timely replacement are followed. The thickness of the gloves is not a good measure of the resistance of the gloves against a chemical substance, because this depends on the exact composition of the material from which the gloves are made.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

#### Eye protection:

Safety glasses



Tightly sealed goggles

• Body protection: Use protective suit. (EN-13034/6)

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<b>SECTION 9: Physical and chemi</b>	ical properties
• 9.1 Information on basic physical and c • General Information	hemical properties
· Appearance:	
Form:	Aerosol
Colour:	Light yellow
· Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range	:: -0.5 °C
Flash point:	-60 °C
Flammability (solid, gas):	Not applicable.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/ vapour mixtures are possible.
Explosion limits:	
Lower:	0.5 Vol %
Upper:	14.0 Vol %
Vapour pressure at 20 °C:	2100 hPa
Density at 20 °C:	0.67 g/cm <sup>3</sup>
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	66.7 %
Solids content:	10.0 %
9.2 Other information	No further relevant information available.

## **SECTION 10: Stability and reactivity**

· 10.1 Reactivity No further relevant information available.

10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- $\cdot$  10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTIO	N 11: 7	Toxicological information
11.1 Inform	mation o	n toxicological effects
	-	d on available data, the classification criteria are not met.
		levant for classification:
-		·C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
Oral	LD50	>5840 mg/kg (rat)
Dermal	LD50	>2920 mg/kg (rabbit)
Inhalative	LC50/4h	>25 mg/l (rat)
Hydrocarl	oons, C10	0-C12,iso-alkanes,<2% aromatics
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Hydrocarl	oons, C7-	·C9, n-alkanes, isoalkanes, cyclics
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2800 mg/kg (rabbit)
Inhalative	LC50/4 h	n >23 mg/l (rat)
1338-24-5	Naphthe	nic Acid
Oral	LD50	5880 mg/kg (rat)
Dermal	LD50	>3160 mg/kg (rabbit)
Inhalative	LD50	640 mg/kg (rat)
May cause CMR effec Germ cell Carcinoge Reproduct STOT-sing STOT-rep Aspiration	e damage ous eye i y or skir an allergi cts (carci mutagen nicity Ba tive toxic gle expos eated exp hazard	e/irritation
12.1 Toxic Aquatic to	ity xicity:	Ecological information C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
NOELR (7	,	mg/l (Pseudokirchneriella subcapitata)
EL50(48h)		mg/1 (Paphnia magna)
EL50(481) EL50 (72h)		)-100 mg/l (Pseudokirchneriella subcapitata)
LL50 (72h)		.4 mg/l (Oncorhynchus mykiss (96h))
LLJU (901)	, 11	4 mg/1 (Oncomplicitus mykiss (2007)

- LL50 (96h)
- NOEC (21 days) 0.17 mg/l (Daphnia magna)

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LOEC (21 days) 0.32 mg/l (Daphnia magna)

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Hydrocarbons, (	C10-C12,iso-alkanes,<2% aromatics	
EL0 (48h)	1000 mg/l (Daphnia magna)	
EL0(72h)	1000 mg/l (Pseudokirchneriella subcapitata)	
NOELR (72h)	1000 mg/l (Pseudokirchneriella subcapitata)	
NOEC (21 days)	0.025 mg/l (Daphnia magna)	
Hydrocarbons, (	C7-C9, n-alkanes, isoalkanes, cyclics	
NOELR (72h)	10 mg/l (Pseudokirchneriella subcapitata)	
EL50 (72h)	10-30 mg/l (Pseudokirchneriella subcapitata)	
LL50 (96h)	>13.4 mg/l (Oncorhynchus mykiss (96h))	
NOEC (21 days)	0.17 mg/l (Daphnia magna)	
LOEC (21 days)	0.32 mg/l (Daphnia magna)	
EC50/48h	3 mg/l (Daphnia magna)	
<ul> <li>12.3 Bioaccumul</li> <li>12.4 Mobility in</li> <li>Ecotoxical effect</li> <li>Remark: Harmfu</li> <li>Additional ecolo</li> <li>General notes:</li> <li>Water hazard class</li> <li>Do not allow proof</li> <li>Danger to drinking</li> <li>Harmful to aquati</li> <li>12.5 Results of P</li> <li>PBT: Not application</li> <li>vPvB: Not application</li> </ul>	I to fish gical information: ss 2 (German Regulation) (Self-assessment): hazardous for water duct to reach ground water, water course or sewage system. g water if even small quantities leak into the ground. c organisms BT and vPvB assessment uble.	
SECTION 13	: Disposal considerations	

· 13.1 Waste treatment methods	e treatment methods
--------------------------------	---------------------

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

-	waste catalogue
20 01 99	other fractions not otherwise specified
07 01 04*	other organic solvents, washing liquids and mother liquors
15 01 04	metallic packaging

· Uncleaned packaging:

×

• **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport inform		
14.1 UN-Number		
ADR, ADN, IMDG, IATA	UN1950	
14.2 UN proper shipping name		
ADR, ADN	UN1950 AEROSOLS	
IMDG	AEROSOLS	
ΙΑΤΑ	AEROSOLS, flammable	

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· 14.3 Transport hazard class(es)		
· ADR		
· Class	2 5F Gases.	
· Label	2.1	
· ADN		
· ADN/R Class:	2 5F	
· IMDG, IATA		
· Class	2.1	
· Label	2.1	
• 14.4 Packing group	Void	
· ADR, IMDG, IATA	Void	
<ul> <li>14.5 Environmental hazards:</li> <li>Marine pollutant:</li> </ul>	No	
-		
<ul> <li>14.6 Special precautions for user</li> <li>Danger code (Kemler):</li> </ul>	Warning: Gases.	
· EMS Number:	F-D,S-U	
· Stowage Code	SW1 Protected from so	
		S with a maximum capacity of 1 AEROSOLS with a capacity above
		WASTE AEROSOLS: Category
	C, Clear of living quart	ers.
· Segregation Code		with a maximum capacity of 1
		c class 9. Stow "separated from" ion 1.4. For AEROSOLS with a
		Segregation as for the appropriate
	subdivision of class 2. I	For WASTE AEROSOLS:
	Segregation as for the a	appropriate subdivision of class 2.
• 14.7 Transport in bulk according to Marpol and the IBC Code	Annex II of Not applicable.	
Transport/Additional information:	·····	
· ADR		
· Limited quantities (LQ)	1L	
· Excepted quantities (EQ)	Code: E0	
· Transport category	Not permitted as Excep 2	oted Quantity
Transport category     Tunnel restriction code	2 D	
·IMDG		
· Limited quantities (LQ)	1L	
$\cdot$ Excepted quantities (EQ)	Code: E0	
	Not permitted as Excep	oted Ouantity

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· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

### **SECTION 15: Regulatory information**

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P3a FLAMMABLE AEROSOLS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- · National regulations:



- **VOC-CH** 66.66 %
- · VOC-EU 443.3 g/l
- · Danish MAL Code 5-5
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Relevant phrases

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

#### · Department issuing SDS: Research & Development

- · Contact: info@bastacarcare.dk
- Abbreviations and acronyms:
   RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
   ICAO: International Civil Aviation Organisation
   ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
   IMDG: International Maritime Code for Dangerous Goods
   IATA: International Air Transport Association
   GHS: Globally Harmonised System of Classification and Labelling of Chemicals
   EINECS: European Inventory of Existing Commercial Chemical Substances
   ELINCS: European List of Notified Chemical Substances
   CAS: Chemical Abstracts Service (division of the American Chemical Society)
   MAL-Code: Mâleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
   DNEL: Derived No-Effect Level (REACH)

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LC50: Lethal concentration, 50 percent	
LD50: Lethal dose, 50 percent	
PBT: Persistent, Bioaccumulative and Toxic	
vPvB: very Persistent and very Bioaccumulative	
Flam. Gas 1: Flammable gases – Category 1	
Aerosol 1: Aerosols – Category 1	
Press. Gas (Comp.): Gases under pressure – Compressed gas	
Flam. Liq. 2: Flammable liquids – Category 2	
Flam. Liq. 3: Flammable liquids – Category 3	
Acute Tox. 4: Acute toxicity – Category 4	
Skin Corr. 1B: Skin corrosion/irritation – Category 1B	
Skin Irrit. 2: Skin corrosion/irritation – Category 2	
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2	
Skin Sens. 1: Skin sensitisation – Category 1	
STOT SE 3: Specific target organ toxicity (single exposure) - Category 3	
Asp. Tox. 1: Aspiration hazard – Category 1	
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Cate	egory 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard	- Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard	- Category 3
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard	- Category 4
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