Printing date 28.02.2019

Version: 14

Revision: 28.02.2019

rinting date 28.02.2019	version: 14	<i>Revision: 28.02.2019</i>
SECTION 1: Identif	fication of the substance/mixture and of the company/undertakin	ıg
· 1.1 Product identifier		-
• Trade name: BATTERY	CARE NEW	
• Article number: 0308000 • 1.2 Relevant identified us		formation available.
SU22 Professional uses:	es of substances as such or in preparations at industrial sites Public domain (administration, education, entertainment, services, craftsmen) Washing and cleaning products (including solvent based products) ving	
PROC11 Non industrial		
• Application of the substa	nce / the mixture Cleaning agent	
• 1.3 Details of the supplie • Manufacturer/Supplier: ZEP UK Ltd Tanhouse Lane Widnes Cheshire, WA8 01 United Kingdom Tel: +44 (0)151 422 1000 Fax: +44 (0)151 422 1010 @: info@zep.co.uk web: www.zep.co.uk	RD 0	
ZEP Industries BV Vierlinghweg 30 4612 PN Bergen op Zoon The Netherlands Tel: (NL) + 31 164 250 1 Fax:(NL) + 31 164 266 7 @: sales@zepbenelux.com	00 (B) + 32 2 347 0117 10 (B) + 32 2 347 1395	
ZEP ITALIA SRL Via Netunese Km. 25.000 04011 Aprilia (LT) - Italy Tel: +39.06.926691 Fax: +39.06.92747061 @: tecnico@zepeurope.co Sito: www.zep.it	,	
· Further information obt	ainable from:	
B: Tel: +32 2 347 0117 F IT: Tel: +39 069 266 91F UK: Tel: +44 151 422 10 • <b>1.4 Emergency telephone</b> Customer Service	Fax: +39 06.927 470 61 000 Fax: +44 151 422 1011 e number: 00 Fax: + 31 164 266 710 Fax: +32 2 347 1395	
	$\frac{1}{1000} = \frac{1}{1000} = 1$	
SECTION 2: Hazard	ds identification	
	· ·	
• 2.1 Classification of the s • Classification according	substance or mixture to Regulation (EC) No 1272/2008	
	<i>P</i> Extremely flammable aerosol. Pressurised container: May burst if heated.	
Skin Corr. 1A H314	Causes severe skin burns and eye damage.	
Eye Dam. 1 H318	Causes serious eye damage.	
	egulation (EC) No 1272/2008 d and labelled according to the CLP regulation.	
The substance is classified	a and indened according to the CLF regulation.	(Contd. on page 2

Version: 14

Printing date 28.02.2019

Revision: 28.02.2019

#### Trade name: BATTERY CARE NEW

· Hazard pictogr	(Contd. of page 1)
• Hazara piciogra	
	$\Delta$
GHS02 GI	HS05
011002 01	
• Signal word Da	inger
• Hazard-determ	ining components of labelling:
	ilicate pentahydrate
sodium hydroxi	
Hazard stateme	
	tremely flammable aerosol. Pressurised container: May burst if heated.
	uses severe skin burns and eye damage.
• Precautionary	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251	Do not pierce or burn, even after use.
	<i>331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</i> <i>338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to</i>
1 505 +1 551 +1	do. Continue rinsing.
P410+P412	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.
• Additional info	
	osive mixtures possible without sufficient ventilation.
	rds The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds.
	and vPvB assessment
• <b>PBT:</b> Not appli	
• <b>vPvB:</b> Not appl	icable.

## SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

• Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-32-xxxx	butane (< 0.1% butadine) Flam. Gas 1, H220 Press. Gas C, H280	2.5-5%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 012119486944-21-xxxx	propane Flam. Gas 1, H220 Press. Gas C, H280	2.5-5%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36-xxxx	2-butoxyethanol	2.5-5%
CAS: 10213-79-3 EINECS: 229-912-9 Reg.nr.: 01-2119449811-37-xxxx	disodium metasilicate pentahydrate Met. Corr.1, H290; Skin Corr. 1B, H314 Acute Tox. 4, H302; STOT SE 3, H335	1-2.5%
CAS: 1310-73-2 EINECS: 215-185-5 Reg.nr.: 01-2119457892-27-xxxx	sodium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314 Acute Tox. 4, H302; Acute Tox. 4, H312	1-2.5%
CAS: 1336-21-6 EINECS: 215-647-6 Reg.nr.: 01-2119488876-14-xxxx	ammonia Skin Corr. 1B, H314 Aquatic Acute 1, H400 Acute Tox. 4, H302	0.1-1%
· Ingredients according to Deterge	nts Regulation 648/2004/EC For the wording of the listed hazard phrases refer to	section 16.

SECTION 4: First aid measures

• 4.1 Description of first aid measures

• General information: Immediately remove any clothing soiled by the product.

• After inhalation: In case of unconsciousness place patient stably in side position for transportation.

(Contd. on page 3) GB

Printing date 28.02.2019

Version: 14

Revision: 28.02.2019

(Contd. of page 2)

#### Trade name: BATTERY CARE NEW

• After skin contact:

*If skin irritation continues, consult a doctor.* 

- Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:

Drink plenty of water and provide fresh air. Call for a doctor immediately.

- Seek immediate medical advice.
- 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
- Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced.
- 5.3 Advice for firefighters
- · Protective equipment: Mount respiratory protective device.
- Additional information Cool endangered receptacles with water spray.

## **SECTION 6:** Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
- Wear protective equipment. Keep unprotected persons away. • 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.2 Environmental precautions: Do not allow to enter sewers/s
   6.3 Methods and material for containment and cleaning up: Use neutralising agent.

Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

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.

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

- 7.1 Precautions for safe handling Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace.
- Information about fire and explosion protection: Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Keep respiratory protective device available. 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:
- Observe official regulations on storing packagings with pressurised containers.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
- Keep receptacle tightly sealed. 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.

(Contd. on page 4)

Printing date 28.02.2019

Version: 14

Revision: 28.02.2019

#### Trade name: BATTERY CARE NEW

				(Contd. of page 3)
	ol parameters			
0		•	monitoring at the workplace:	
106-97-8 l	butane (< 0.1%)	, ,	·	
WEL (Great Britain)			<i>ie: 1810 mg/m³, 750 ppm</i>	
		Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)		
111 76 27	2	( 0	nan 0.1% oj buta-1.5-atenej	
	2-butoxyethanol	, ,	21/ / 3.50	
WEL (Gre	at Britain)		ue: 246 mg/m³, 50 ppm ue: 123 mg/m³, 25 ppm	
		Sk. BMGV	e. 125 mg/m , 25 ppm	
IOELV (Et	uropean Union)	Short-term val	<i>ie: 246 mg/m<sup>3</sup>, 50 ppm</i>	
101127 (11	in opean e monj		<i>ie: 98 mg/m<sup>3</sup>, 20 ppm</i>	
		Skin		
1310-73-2	sodium hydrox	ide (1-2.5%)		
WEL (Gre	at Britain)	Short-term valu	<i>ie: 2 mg/m<sup>3</sup></i>	
· DNELs				
1310-73-2	sodium hydrox	ide		
Inhalative	DNEL Long ter	rm local mg/m3	1 mg/m3 (consumer)	
			1 mg/m3 (worker)	
1336-21-6	ammonia			
Dermal	DNEL Acute-sy	estemic	6.8 mg/kg human/day (worker)	
· PNECs	•			
1336-21-6	ammonia			
PNEC Fre	eshwater mg/L 0	.0011 mg/L		
Ingredien	ts with biologica	l limit values:		
0	2-butoxyethanol			
BMGV (G)	reat Britain) 24	0 mmol/mol cre	atinine	
Υ.	Me	edium: urine		
		mpling time: po		
		rameter: butoxy		
· Additional	l information: T	he lists valid du	ring the making were used as basis.	
	ure controls			
1	protective equip			

- 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. Avoid contact with the eyes. Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- Protection of hands:



Protective gloves

· 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.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended. • Not suitable are gloves made of the following materials: Strong material gloves

(Contd. on page 5)

GB -

(Contd. of page 4)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 28.02.2019

Version: 14

Revision: 28.02.2019

#### Trade name: BATTERY CARE NEW

• Eye protection:

ightly sealed goggles	
-----------------------	--

SECTION 9: Physical and chem	ical properties
• 9.1 Information on basic physical and c	chemical properties
· General Information	
· Appearance:	
Form:	Aerosol
Colour:	Colourless
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value at 20 °C:	11.5
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range	2: 100 °C
· Flash point:	-60 °C
· Flammability (solid, gas):	Not applicable.
Decomposition temperature:	Not determined.
• 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:	Not determined.
Upper:	Not determined.
· Vapour pressure at 20 °C:	23 hPa
Density at 20 °C:	$1.07 \text{ g/cm}^3$
Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
water:	Insoluble.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	9.0 %
EU-VOC:	903.8 g/l
EU-VOC	9.00 %
Swiss VOC:	9.00 %
Solids content:	0.0 %
· 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.

• 10.5 Incompatible materials: No further relevant information available.

GB

Printing date 28.02.2019

Version: 14

Revision: 28.02.2019

(Contd. of page 5)

### Trade name: BATTERY CARE NEW

• 10.6 Hazardous decomposition products: No dangerous decomposition products known.

	•	available data, the classification criteria are not met. <b>It for classification:</b>
111-76-2 2	2-butoxyethan	lol
Oral	LD50	470 mg/kg (Rat)
		320 mg/kg (Rabbit)
Dermal	LD50	400-500 mg/kg (rab)
		2,270 mg/kg (Rat)
Inhalative	LC50 / 4 h	2.21 mg/ltr (Rat)
	LC50 / 48 h	1,815 mg/ltr (Daphnia magna (water flea))
	LC50 / 96 h	1,490 mg/ltr (Lepomis Macrochirus (Bluegill Sunfish))
10213-79-		etasilicate pentahydrate
Oral	LD50	>1,000 mg/kg (Rat)
	LC50 / 96 h	>200 mg/ltr (Daphnia magna (water flea))
1310-73-2	sodium hydro	oxide
Oral	LD50	2,000 mg/kg (Rat)
Dermal	LD50	1,350 mg/kg (Rabbit)
	LC50 / 96 h	125 mg/ltr (Gambusia affinis)
1336-21-6	ammonia	
Oral	LD50	350 mg/kg (Rat)
	LC50 / 96 h	0.89 mg/ltr (fish)
	EC 50 / 48 h	110 mg/ltr (Daphnia magna (water flea))
	ritant effect:	
	sion/irritation	
	ere skin burn: e damage/irri	s and eye damage. Station
	ious eye dama	
		itisation Based on available data, the classification criteria are not met.
		nity, mutagenicity and toxicity for reproduction)
		Based on available data, the classification criteria are not met. on available data, the classification criteria are not met.
		ased on available data, the classification criteria are not met.
		Based on available data, the classification criteria are not met.
STOT-ren	eated exposur	<b>e</b> Based on available data, the classification criteria are not met.

· 12.1 Toxicity

- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralised.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

• **vPvB:** Not applicable.

(Contd. on page 7)

<sup>•</sup> Aquatic toxicity: No further relevant information available.

GB

Printing date 28.02.2019

Version: 14

Revision: 28.02.2019

(Contd. of page 6)

GB

Trade name: BATTERY CARE NEW

• 12.6 Other adverse effects No further relevant information available.

**SECTION 13: Disposal considerations** 

• 13.1 Waste treatment methods • Recommendation Disposal must be made according to official regulations

· Uncleaned packaging:

· Recommendation: Disposal in accordance with administrative provisions

SECTION 14: Transport information	
14.1 UN-Number ADR, IMDG, IATA	UN1950
14.2 UN proper shipping name ADR IMDG IATA	1950 AEROSOLS AEROSOLS AEROSOLS, flammable, containing substances in Class 8, Packing Group III
14.3 Transport hazard class(es)	
ADR	
Class Label	2 5FC Gases. 2.1+8
IMDG	2.1+0
Class Label	2.1 2.1/8
Class Label	2.1 2.1 (8)
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Danger code (Kemler): EMS Number: Stowage Code	Warning: Gases. 2 F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of
Segregation Code	living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 excep for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate

Printing date 28.02.2019

Version: 14

Revision: 28.02.2019

#### Trade name: BATTERY CARE NEW

	(Contd.	of page '
	subdivision of class 2.	
14.7 Transport in bulk according to Annex the IBC Code	: <b>II of Marpol and</b> Not applicable.	
Transport/Additional information:		
ADR		
Limited quantities (LQ)	1	
Excepted quantities $(EQ)$	Code: E	
Transport category	3	
Tunnel restriction code	E	
· IMDG		
Limited quantities (LQ)	1	
Excepted quantities $(EQ)$	Code: E	
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1 (8)	

## **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Reg. (EC) n. 1272/2008 - CLP;
Reg. (EC) n. 1907/2006 - Reach;
Reg. (EC) n. 2015/830 annex II of REACH;
Reg. (EC) n. 648/04 (Detergents);
Reg. (EC) n. 528/12 (Biocides BPR);
Reg. (EC) n. 1223/2009 (Cosmetics);
Dir. 06/08 ADR - RID - IMDG - IATA;
Dir. 47/08 (Aerosols); Dir. 12/18 (Seveso III);
Dir. 2008/98/CE and Reg. (EC) n.1357/2014 (Waste management)

#### · 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:

• Technical instructions (air):

 Class
 Share in %

 NK
 5-10

• Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has 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.
H280 Contains gas under pressure; may explode if heated.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.

# • Department issuing SDS:

Customer Service NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

Version: 14

Printing date 28.02.2019

Revision: 28.02.2019

#### Trade name: BATTERY CARE NEW

(Contd. of page 8) B: Tel: +32 2 347 0117 Fax: +32 2 347 1395 IT: Tel: +39 069 266 91Fax: +39 06.927 470 61 UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011 · Contact: Customer Service NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710 B: Tel: +32 2 347 0117 Fax: +32 2 347 1395 IT: Tel: +39 069 266 91Fax: +39 06.927 470 61 UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011 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) VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds) VOC: Volatile Organic Compounds (USA, EU) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) 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 C: Gases under pressure - Compressed gas Met. Corr.1: Corrosive to metals - Category 1 Acute Tox. 4: Acute toxicity – Category 4 Skin Corr. 1A: Skin corrosion/irritation – Category 1A Skin Corr. 1B: Skin corrosion/irritation - Category 1B Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 \* Data compared to the previous version altered.

(Contd. on page 10)

GE

Version: 14

Printing date 28.02.2019

#### Trade name: BATTERY CARE NEW

(Contd. of page 9)

Revision: 28.02.2019

