

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 17.06.2021 Revision date: 17.06.2021 Supersedes version of: 17.06.2021 Version: 1.0

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

#### 1.1. Product identifier

Product form : Article

Product name : Nedis Bluetooth Speaker Lithium Ion Battery
Product code : SPBT1002AL,SPBT1002GY,SPBT1002PK

Type of product : SP-188 Lithium cells and batteries are not subject to provision of ADR because lithium ion is

less than 100 Wh

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

#### 1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use

Use of the substance/mixture : Electrical batteries and accumulators

1.2.2. Uses advised against

Restrictions on use : Do not open batteries

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

Nedis B.V.
De Tweeling 28
5215MC 's Hertogenbosch – The Netherlands
T +31 735991055
www.nedis.com

#### 1.4. Emergency telephone number

No additional information available

## **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

## Adverse physicochemical, human health and environmental effects

Danger symbols/labeling in case of damaged and or ruptured battery.

## 2.2. Label elements

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

Contains : cobalt lithium nickel oxide; Phosphate(1),hexafluoro-,Lithium; copper; aluminium; Trilithium

 $or tho phosphate; \ ETHYLENE \ CARBONATE; \ polypropylene; \ ethyl \ methyl \ carbonate$ 

## 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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

#### 3.1. Substances

Not applicable

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#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
cobalt lithium nickel oxide	CAS-No.: 12190-79-3	35 – 38	Repr. 1A, H360
Graphite	CAS-No.: 7782-42-5	20 – 22	Not classified
ETHYLENE CARBONATE	CAS-No.: 96-49-1 EC-No.: 202-510-0	14 – 16	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 STOT RE 2, H373
copper	CAS-No.: 7440-50-8	9 – 10	Aquatic Chronic 2, H411
Phosphate(1),hexafluoro-,Lithium	CAS-No.: 21324-40-3	5 – 6	Acute Tox. 3 (Oral), H301 Skin Corr. 1, H314 STOT RE 1, H372
aluminium	CAS-No.: 7429-90-5 EC-No.: 231-072-3 EC Index-No.: 013-002-00-1	5 – 6	Water-react. 2, H261 Flam. Sol. 1, H228
polypropylene	CAS-No.: 9003-07-0	5 – 6	Not classified
ethyl methyl carbonate	CAS-No.: 623-53-0 EC-No.: 433-480-9	4 – 5	Flam. Liq. 2, H225
Trilithium orthophosphate	CAS-No.: 10377-52-3 EC-No.: 233-823-0	3 – 4	Acute Tox. 4 (Oral), H302

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

## **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

## 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

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

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

## 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Mechanically recover the product.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

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

## 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

Storage temperature : -5 - 35 °C

## 7.3. Specific end use(s)

No additional information available

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

## 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

copper (7440-50-8)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Copper	
Remark	(Year of adoption 2014)	
Regulatory reference SCOEL Recommendations		
Netherlands - Occupational Exposure Limits		
Local name	Koper	
TGG-8u (OEL TWA)	0,1 mg/m³ en anorganische koperverbindingen (inhaleerbaar)	
Regulatory reference	Arbeidsomstandighedenregeling 2022	

#### 8.1.2. Recommended monitoring procedures

No additional information available

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#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

No additional information available

#### 8.2.2.2. Skin protection

No additional information available

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

Relative density

Particle size

Relative vapour density at 20°C

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

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

## 9.1. Information on basic physical and chemical properties

Physical state : Solid

Colour : Not available

Odour : If leaking, smells of medical ether.
Odour threshold : Not available

: Not available Melting point Freezing point : Not applicable Boiling point : Not available Flammability : Non flammable. Lower explosion limit : Not applicable Upper explosion limit : Not applicable Flash point : Not applicable Auto-ignition temperature : Not applicable Decomposition temperature : Not available pН : Not available : Not available pH solution : Not applicable Viscosity, kinematic Solubility : Not available Partition coefficient n-octanol/water (Log Kow) : Not available : Not available Vapour pressure Vapour pressure at 50°C : Not available : Not available Density

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: Not available

: Not applicable: Not available

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#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

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

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified Acute toxicity (dermal) Not classified Acute toxicity (inhalation) : Not classified Skin corrosion/irritation : Not classified Serious eye damage/irritation Not classified Respiratory or skin sensitisation : Not classified Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified STOT-single exposure : Not classified : Not classified STOT-repeated exposure

## Phosphate(1),hexafluoro-,Lithium (21324-40-3)

STOT-repeated exposure Causes damage to organs through prolonged or repeated exposure.

## **ETHYLENE CARBONATE (96-49-1)**

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

## Nedis Bluetooth Speaker Lithium Ion Battery

Viscosity, kinematic Not applicable

#### 11.2. Information on other hazards

No additional information available

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## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Hazardous to the aquatic environment, short-term

(acute)

n : Not classified

Hazardous to the aquatic environment, long-term (chronic)

: Not classified

Not rapidly degradable

NOEC chronic fish 0,2 mg/l Test organisms (species): Pimephales promelas Duration: '26 d'

## 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

## 12.4. Mobility in soil

No additional information available

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

No additional information available

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or ID n	14.1. UN number or ID number				
UN 3481	UN 3481	UN 3481	UN 3481	UN 3481	
14.2. UN proper shippin	g name				
LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT	Lithium ion batteries contained in equipment	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT	
Transport document description					
UN 3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT, 9A, (E)	UN 3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT, 9	UN 3481 Lithium ion batteries contained in equipment, 9A	UN 3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT, 9A	UN 3481 LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT, 9A	

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ADR	IMDG	IATA	ADN	RID
14.3. Transport hazard	class(es)			
9A	9	9A	9A	9A
	***			
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental haz	zards			
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information	on available	ı	1	1

#### 14.6. Special precautions for user

#### **Overland transport**

Classification code (ADR) : M4

Special provisions (ADR) : 188, 230, 310, 348, 360, 376, 377, 387, 670

Limited quantities (ADR) : 0
Excepted quantities (ADR) : E0

Packing instructions (ADR) : P903, P908, P909, P910, P911, LP903, LP904, LP905, LP906

Transport category (ADR) : 2
Tunnel restriction code (ADR) : E
EAC code : 4W

## Transport by sea

Special provisions (IMDG) : 188, 230, 310, 348, 360, 376, 377, 384, 387

Limited quantities (IMDG) : 0
Excepted quantities (IMDG) : E0

Packing instructions (IMDG) : P903, P908, P909 , P910, P911, LP903, LP904, LP905, LP906

EmS-No. (Fire): F-AEmS-No. (Spillage): S-IStowage category (IMDG): AStowage and handling (IMDG): SW19

Properties and observations (IMDG) : Electrical batteries containing lithium ion encased in a rigid metallic body. Lithium ion

batteries may also be shipped in, or packed with, equipment. Electrical lithium batteries may cause fire due to an explosive rupture of the body caused by improper construction or

reaction with contaminants.

#### Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Forbidden
PCA limited quantity max net quantity (IATA) : Forbidden
PCA packing instructions (IATA) : 967
PCA max net quantity (IATA) : 5kg
CAO packing instructions (IATA) : 967
CAO max net quantity (IATA) : 35kg

Special provisions (IATA) : A48, A88, A99, A154, A164, A181, A185, A206, A213, A220

ERG code (IATA) : 12FZ

**Inland waterway transport** 

Classification code (ADN) : M4

Special provisions (ADN) : 188, 230, 310, 348, 360, 376, 377, 387, 670

Limited quantities (ADN) : 0
Excepted quantities (ADN) : E0

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Equipment required (ADN) : PP
Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : M4

Special provisions (RID) : 188, 230, 310, 348, 360, 376, 377, 387, 670

Limited quantities (RID) : 0
Excepted quantities (RID) : E0

Packing instructions (RID) : P903, 908, 909, P910, P911, LP903, LP904, LP905, LP906

Transport category (RID) : 2
Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 90

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

#### **REACH Annex XVII (Restriction List)**

Not applicable.

#### **REACH Annex XIV (Authorisation List)**

Not applicable.

#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

## Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

#### **Explosives Precursors Regulation (2019/1148)**

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### **ANNEX II REPORTABLE EXPLOSIVES PRECURSORS**

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	CAS-No.	Nomenclature	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Aluminium, powders	7429-90-5	7603 10 00; ex 7603 20 00	

Please see https://home-affairs.ec.europa.eu/policies/internal-security/counter-terrorism-and-radicalisation/protection/legislation-chemicals-used-home-made-explosives en

#### **Drug Precursors Regulation (273/2004)**

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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#### 15.1.2. National regulations

#### France

Occupational diseases	
Code	Description
RG 25	Diseases resulting from the inhalation of mineral dust containing crystalline silica (quartz, cristobalite, tridymite), crystalline silicates (kaolin, talc), graphite or coal.
RG 66	Occupational rhinitis and asthma

#### Germany

**Employment restrictions** 

: Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK) Storage class (LGK, TRGS 510) Joint storage table

: WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1). : LGK 13 - Non-combustible solids.

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for

Joint storage with restrictions permitted for

Joint storage permitted for

: LGK 1, LGK 6.2, LGK 7.

: LGK 4.1A, LGK 5.1C.

: LGK 2A, LGK 2B, LGK 3, LGK 4.1B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1B, LGK 5.2, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12,

LGK 13, LGK 10-13.

Hazardous Incident Ordinance (12. BImSchV)

: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### **Netherlands**

ABM category

: A(3) - hazardous for aquatic organisms, may have longterm hazardous effects in aquatic environment

SZW-lijst van kankerverwekkende stoffen

SZW-lijst van mutagene stoffen

SZW-lijst van reprotoxische stoffen – Borstvoeding

SZW-lijst van reprotoxische stoffen -

Vruchtbaarheid

: None of the components are listed : None of the components are listed

: None of the components are listed

: None of the components are listed

SZW-lijst van reprotoxische stoffen - Ontwikkeling

: None of the components are listed

#### **Denmark**

**Danish National Regulations** 

: Pregnant/breastfeeding women working with the product must not be in direct contact with the product

#### Switzerland

: LK 11/13 - Solids Storage class (LK)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor

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Abbreviations and acronyms:		
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Sol. 1	Flammable solids, Category 1

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Full text of H- and EUH-statements:		
H225	Highly flammable liquid and vapour.	
H228	Flammable solid.	
H261	In contact with water releases flammable gases.	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H314	Causes severe skin burns and eye damage.	
H319	Causes serious eye irritation.	
H360	May damage fertility or the unborn child.	
H372	Causes damage to organs through prolonged or repeated exposure.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H411	Toxic to aquatic life with long lasting effects.	
Repr. 1A	Reproductive toxicity, Category 1A	
Skin Corr. 1	Skin corrosion/irritation, Category 1	
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1	
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2	
Water-react. 2	Substances and Mixtures which, in contact with water, emit flammable gases, Category 2	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.