

HUIXIAN SUNRISE POWER SOURCE CO.,LTD
WEST SUOKELOU,HUQIAO,HUIXIAN CITY HENAN CHINA

SGS Job No. : CP16-006713 - SZ
Sample Name : NI-MH RECHARGEABLE BATTERY
Manufacturer : HUIXIAN SUNRISE POWER SOURCE CO.,LTD
Country of Origin : CHINA
End Uses : Solar lights,LED emergency lights,Cordless
telephones,Walkmans,Electronic tools an so on.
Model No. : NI-MH AA600mAh
Client Reference Information : Please see Remark
Composition/Ingredient of sample (as per client submission) : See section 3 Composition/information on ingredients on the SDS report
Job Receiving Date : 19 Feb 2016
Last Information Date : 25 Feb 2016
SDS Preparation Period : 19 Feb 2016 – 01 Mar 2016

Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with European Commission Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and Regulation (EU) No 2015/830, and is provided per attached.

Remark:

The SDS is prepared based on the information provided by client.

* This sample is likely to be classified as article with substances not intended to be released and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for client's reference only.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch



Oscar Wang
Approved Signatory



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Remark:

Ni-MH AA100mAh AA150mAh AA200mAh AA250mAh AA300mAh AA350mAh AA400mAh AA450mAh AA500mAh
AA600mAh AA700mAh AA800mAh AA900mAh AA1000mAh AA1100mAh AA1200mAh AA1300mAh AA1400mAh
AA1500mAh AA1600mAh AA1700mAh AA1800mAh AA1900mAh AA2000mAh AA2100mAh AA2200mAh
AA2300mAh AA2400mAh AA2500mAh AA2600mAh

Ni-MH AAA100mAh AAA150mAh AAA200mAh AAA250mAh AAA300mAh AAA350mAh AAA400mAh AAA450mAh
AAA500mAh AAA600mAh AAA700mAh AAA800mAh AAA900mAh AAA1000mAh

Ni-MH 2/3AA100mAh 2/3AA150mAh 2/3AA200mAh 2/3AA250mAh 2/3AA300mAh 2/3AA350mAh 2/3AA400mAh
2/3AA450mAh 2/3AA500mAh 2/3AA550mAh 2/3AA600mAh

Ni-MH 2/3AAA100mAh 2/3AAA150mAh 2/3AAA200mAh 2/3AAA250mAh 2/3AAA300mAh 2/3AAA350mAh
2/3AAA400mAh 2/3AAA450mAh 2/3AAA500mAh 2/3AAA550mAh 2/3AAA600mAh

Ni-MH 4/5AA100mAh 4/5AA200mAh 4/5AA300mAh 4/5AA350mAh 4/5AA400mAh 4/5AA500mAh 4/5AA600mAh
4/5AA700mAh 4/5AA800mAh 4/5AA900mAh 4/5AA1000mAh 4/5AA1100mAh 4/5AA1200mAh 4/5AA1300mAh
4/5AA1400mAh 4/5AA1500mAh 4/5AA1600mAh 4/5AA1700mAh 4/5AA1800mAh 4/5AA1900mAh

Ni-MH 4/5SC600mAh 4/5SC700mAh 4/5SC800mAh 4/5SC900mAh 4/5SC1000mAh 4/5SC1100mAh 4/5SC1200mAh
4/5SC1300mAh 4/5SC1400mAh 4/5SC1500mAh 4/5SC1600mAh 4/5SC1700mAh 4/5SC1800mAh 4/5SC1900mAh
4/5SC2000mAh

Ni-MH SC600mAh SC700mAh SC800mAh SC900mAh SC1000mAh SC1100mAh SC1200mAh SC1300mAh
SC1400mAh SC1500mAh SC1600mAh SC1700mAh SC1800mAh SC1900mAh SC2000mAh SC2200mAh
SC2400mAh SC2600mAh SC2800mAh SC3000mAh

Ni-MH C1500mAh C1800mAh C2000mAh C2500mAh C3000mAh C3500mAh C4000mAh

Ni-MH D3000mAh D3500mAh D4000mAh D4500mAh D5000mAh D6000mAh D7000mAh D8000mAh



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Safety Data Sheet

1907/2006/EC, 1272/2008/EC

Printing date 01.03.2016

Revision: 01.03.2016

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

- **1.1 Product identifier**
- **Trade name:** NI-MH RECHARGEABLE BATTERY
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture:**
Solar lights, LED emergency lights, Cordless telephones, Walkmans, Electronic tools an so on.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:** HUIXIAN SUNRISE POWER SOURCE CO.,LTD
- **Full address:** WEST SUOKELOU, HUQIAO, HUIXIAN CITY HENAN CHINA
- **Phone number:** +86-0373-6115988
- **Email:** xinzhou@xuridianyuan.com
- **Only Representative / other EU contact point:** Not available
- **Further information obtainable from:** HUIXIAN SUNRISE POWER SOURCE CO.,LTD
- **1.4 Emergency telephone number:**
UNITED KINGDOM
National Poisons Information Service
Tel: +44 (0) 844 892 0111
+86-13525005219 Mary Wang
- **1.5 Reference Number:** CP16-006713 - SZ, CANEC1602299102
- **1.6 Remark:**
* This sample is likely to be classified as article with substances not intended to be released and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for client's reference only.

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Muta. 2	H341	Suspected of causing genetic defects.
Carc. 1A	H350	May cause cancer.
Repr. 1B	H360D	May damage the unborn child.
STOT RE 1	H372	Causes damage to organs through prolonged or repeated exposure.



GHS05 corrosion

Skin Corr. 1A	H314	Causes severe skin burns and eye damage.
Eye Dam. 1	H318	Causes serious eye damage.



GHS09 environment

Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.
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GHS07

Acute Tox. 4	H302	Harmful if swallowed.
Skin Sens. 1	H317	May cause an allergic skin reaction.

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(Contd. of page 1)

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of Regulation 1272/2008/EC.

- **Classification system:**

The classification is according to the latest edition of EU Regulation 1272/2008/EC, and extended by company and literature data.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS05 GHS07 GHS08 GHS09

- **Signal word Danger**

- **Hazard-determining components of labelling:**

nickel dihydroxide

potassium hydroxide

lanthanum, compound with nickel (1:5)

sodium hydroxide

- **Hazard statements**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H360D May damage the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P310 Immediately call a POISON CENTER/doctor.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards:**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of listed hazard statements refer to section 16.

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Trade name: NI-MH RECHARGEABLE BATTERY

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· Composition:		
CAS: 1310-58-3 EINECS: 215-181-3 Index number: 019-002-00-8	potassium hydroxide ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302	31,6%
CAS: 12054-48-7 EINECS: 235-008-5 Index number: 028-008-00-X	nickel dihydroxide ⚠ Resp. Sens. 1, H334; Muta. 2, H341; Carc. 1A, H350i; Repr. 1B, H360D; STOT RE 1, H372; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Skin Sens. 1, H317	20,0%
CAS: 7732-18-5 EINECS: 231-791-2	water	18,3%
CAS: 1345-25-1 EINECS: 215-721-8	iron oxide substance with a Community workplace exposure limit	16,7%
CAS: 12196-72-4 EINECS: 235-372-5	lanthanum, compound with nickel (1:5) ⚠ Flam. Sol. 2, H228; ⚠ Carc. 1B, H350; ⚠ Skin Sens. 1A, H317	8,0%
CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6	sodium hydroxide ⚠ Skin Corr. 1A, H314	2,8%
CAS: 7782-42-5 EINECS: 231-955-3	Graphite substance with a Community workplace exposure limit	2,6%

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General description:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· 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. Then consult a doctor.

· After swallowing:

Call for a doctor immediately.

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

· 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: Mouth respiratory protective device.

EU

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Safety Data Sheet

1907/2006/EC, 1272/2008/EC

Printing date 01.03.2016

Revision: 01.03.2016

Trade name: NI-MH RECHARGEABLE BATTERY

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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 product to reach sewage system or any water source.
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:**
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:**
Thorough dusting.
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
For the general occupational hygienic measures refer to Section 8.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s):** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

1310-58-3 potassium hydroxide (31,6%)

WEL (Great Britain) Short-term value: 2 mg/m³VME (France) Short-term value: 2 mg/m³

12054-48-7 nickel dihydroxide (20,0%)

WEL (Great Britain) Long-term value: 0,5 mg/m³
as Ni; Sk; Carc

MAK (Germany) einatembare Fraktion; vgl.Abschn.XII

VME (France) Long-term value: 1 mg/m³
C1A, M2, R1B

1345-25-1 iron oxide (16,7%)

AGW (Germany) Long-term value: 1,25* 10** mg/m³
2(II);*alveolengängig**einatembare; AGS, DFG

1310-73-2 sodium hydroxide (2,8%)

WEL (Great Britain) Short-term value: 2 mg/m³

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Trade name: NI-MH RECHARGEABLE BATTERY

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MAK (Germany)	vgl.Abschn.IIb
VME (France)	Long-term value: 2 mg/m ³
7782-42-5 Graphite (2,6%)	
AGW (Germany)	Long-term value: 1,25* 10** mg/m ³ 2(II);*alveolengängig**einatembar; AGS, DFG
VME (France)	Long-term value: 2 mg/m ³ pour la fraction alvéolaire

- **DNELs:** Not available

- **PNECs:** Not available

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.

- **Appropriate engineering controls:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

See Section 7 for information about design of technical facilities.

- **Personal protective equipment**

- **Respiratory protection:**

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.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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.

- **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.

- **Eye protection:**



Tightly sealed goggles

- **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

EU

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Printing date 01.03.2016

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Trade name: NI-MH RECHARGEABLE BATTERY

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance

· Form:	Solid
· Colour:	Mixed
· Odour:	Odourless
· Odour threshold:	Not available

· pH-value: Not available

· Change in condition

· Melting point/Melting range:	Not available
· Boiling point/Boiling range:	Not available
· Freezing point:	Not available

· Flash point: Not available

· Flammability (solid, gaseous): Not available

· Auto-Ignition temperature: Not available

· Decomposition temperature: Not available

· Self-igniting: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits

· Lower:	Not available
· Upper:	Not available

· Oxidizing properties: Not available

· Vapour pressure: Not available

· Density: Not available

· Relative density: Not available

· Vapour density: Not available

· Evaporation rate: Not available

· Solubility in / Miscibility with water: Not available

· Partition coefficient (n-octanol/water): Not available.

· Viscosity

· Dynamic:	Not available.
· Kinematic:	Not available

· 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity: Data not available

· 10.2 Chemical stability: Data not available

· 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.

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

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Revision: 01.03.2016

Trade name: NI-MH RECHARGEABLE BATTERY

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SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**
Harmful if swallowed.
- **LD/LC50 values relevant for classification:** Not available
- **Skin corrosion/irritation:**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation:**
Causes serious eye damage.
- **Respiratory or skin sensitization:**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
- **Germ cell mutagenicity**
Suspected of causing genetic defects.
- **Carcinogenicity**
May cause cancer.
- **Reproductive toxicity**
May damage the unborn child.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**
Causes damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:**
- **General notes:**
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Danger to drinking water if even extremely small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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Printing date 01.03.2016

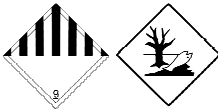
Revision: 01.03.2016

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- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR,RID,ADN, IATA · IMDG 	<p style="text-align: right;">Not applicable UN3496</p>
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR,RID,ADN, IATA · IMDG 	<p style="text-align: right;">Not applicable Batteries, nickel-metal hydride (nickel dihydroxide), MARINE POLLUTANT</p>
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR,RID,ADN, IATA · Class · Label 	<p style="text-align: right;">Not applicable -</p>
<ul style="list-style-type: none"> · IMDG <div style="text-align: center;">  </div>	<p style="text-align: right;">9 Miscellaneous dangerous substances and articles. -</p>
<ul style="list-style-type: none"> · Class · Label 	<p style="text-align: right;">9 Miscellaneous dangerous substances and articles. -</p>
<ul style="list-style-type: none"> · 14.4 Packing group · ADR,RID,ADN, IMDG, IATA 	<p style="text-align: right;">Not applicable</p>
<ul style="list-style-type: none"> · 14.5 Environmental hazards · Marine pollutant: 	<p style="text-align: right;">Product contains environmentally hazardous substances: nickel dihydroxide Symbol (fish and tree)</p>
<ul style="list-style-type: none"> · 14.6 Special precautions for user: · Danger code (Kemler): · EMS Number: 	<p style="text-align: right;">Not applicable. - F-A,S-I</p>
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: 	<p style="text-align: right;">Not applicable.</p>
<ul style="list-style-type: none"> · 14.8 Transport/Additional information: · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<p style="text-align: right;">0 Code: E0 Not permitted as Excepted Quantity</p>

SECTION 15: Regulatory information

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

- **MAK(German Maximum Workplace Concentration)**

12054-48-7	nickel dihydroxide	1
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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category E2** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

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- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials, Annex II:**
Carcinogenic hazardous material group III (dangerous).
- **Information about limitation of use:**
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.
- **Waterhazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.
- **Other regulations, limitations and prohibitive regulations**

· SVHC Candidate List of REACH Regulation Annex XIV Authorisation (17/12/2015)

None of the ingredients is listed

· REACH Regulation Annex XVII Restriction (16/2/2016) See Section 16 for information about restriction of use.
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12054-48-7 nickel dihydroxide

· REACH Regulation Annex XIV Authorisation List (14/8/2014)
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None of the ingredients is listed

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- **Recommended restriction of use**

REACH Annex XVII Restricted-28, 30

28. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B (Table 3.1) or carcinogen category 1 or 2 (Table 3.2) and listed as follows:

- Carcinogen category 1A (Table 3.1)/carcinogen category 1 (Table 3.2) listed in Appendix 1
- Carcinogen category 1B (Table 3.1)/carcinogen category 2 (Table 3.2) listed in Appendix 2

30. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B (Table 3.1) or toxic to reproduction category 1 or 2 (Table 3.2) and listed as follows:

- Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5
- Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6

nickel dihydroxide (CAS: 12054-48-7)

Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:

1. Shall not be placed on the market, or used,

- as substances,
- as constituents of other substances, or,
- in mixtures,

for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than:

- either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or,
- the relevant concentration specified in Directive 1999/45/EC where no specific concentration limit is set out in Part 3 of Annex VI to Regulation (EC) No 1272/2008.

Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market

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that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:
'Restricted to professional users'.

2. By way of derogation, paragraph 1 shall not apply to:

(a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC;

(b) cosmetic products as defined by Directive 76/768/EEC;

(c) the following fuels and oil products:

- motor fuels which are covered by Directive 98/70/EC,

- mineral oil products intended for use as fuel in mobile or fixed combustion plants,

- fuels sold in closed systems (e.g. liquid gas bottles);

(d) artists' paints covered by Directive 1999/45/EC;

(e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column

2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.

· **Relevant hazard statements**

H228 Flammable solid.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H350i May cause cancer by inhalation.

H360D May damage the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

· *****

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reason, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Remark:

* This sample is likely to be classified as article with substances not intended to be released and is out of scope of a SDS as set out in Regulation (EC) No 1907/2006. This SDS is generated for client's reference only.

· **Abbreviations and acronyms:**

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)

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. Sol. 2: Flammable solids, Hazard Category 2

Acute Tox. 4: Acute toxicity, Hazard Category 4

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Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1
Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Skin Sens. 1A: Sensitisation - Skin, Hazard Category 1A
Muta. 2: Germ cell mutagenicity, Hazard Category 2
Carc. 1A: Carcinogenicity, Hazard Category 1A
Carc. 1A: Carcinogenicity, Hazard Category 1Ai
Carc. 1B: Carcinogenicity, Hazard Category 1B
Repr. 1B: Reproductive toxicity, Hazard Category 1B
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

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